ENGINEERED TO ENDURE,
BUILT TO LAST


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Efficient Power for Smooth Sailing and Optimal Performance

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At Solé Advance, we manufacture a wide range of marine generator sets designed to deliver optimal performance with a compact design and low noise levels.

SAILING

At Solé, we understand the specific needs of sailing boats, where energy efficiency, low consumption, and reliability are essential. That's why our Sailing Solutions are designed to deliver consistent and efficient power, tailored to the unique requirements of sailing.

We also offer options such as our range of variable speed generators from 8kW to 15kW, which adjust energy production according to demand, maximising efficiency on board.

Thanks to their compact design and low noise levels, our generators are ideal for those seeking comfort without compromising on space or performance.

Trust Solé Advance's experience to equip your sailing boat with the best on-board power generation technology.

YATCHING

In the marine world, comfort, efficiency and reliability are essential. That's why at Solé Advance we've developed our Yachting Solutions to meet the needs of yachts and leisure boats.

Our marine generator sets are quiet and efficient, ensuring a stable power supply for air conditioning, entertainment systems and navigation equipment.

Within this line, our soundproofed single-phase range of up to 60 kW stands out — specially designed to effectively meet on-board power demands.

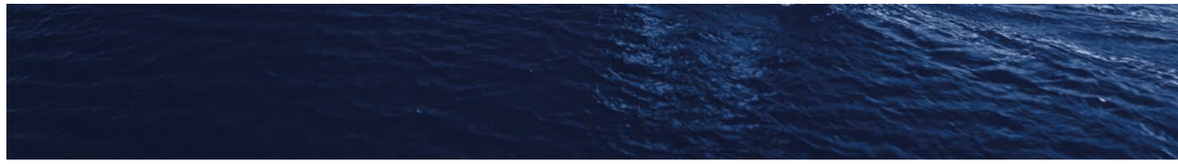
Trust Solé Advance to enjoy reliable energy on every journey.

COMMERCIAL

At Solé Advance, we design our Commercial Solutions for workboats and professional vessels such as CTVs, pilot boats, fishing vessels, and ferries — where a reliable power supply is critical.

Our generator sets, certified with Type Approval, ensure safe and continuous operation, even in the most demanding marine environments.

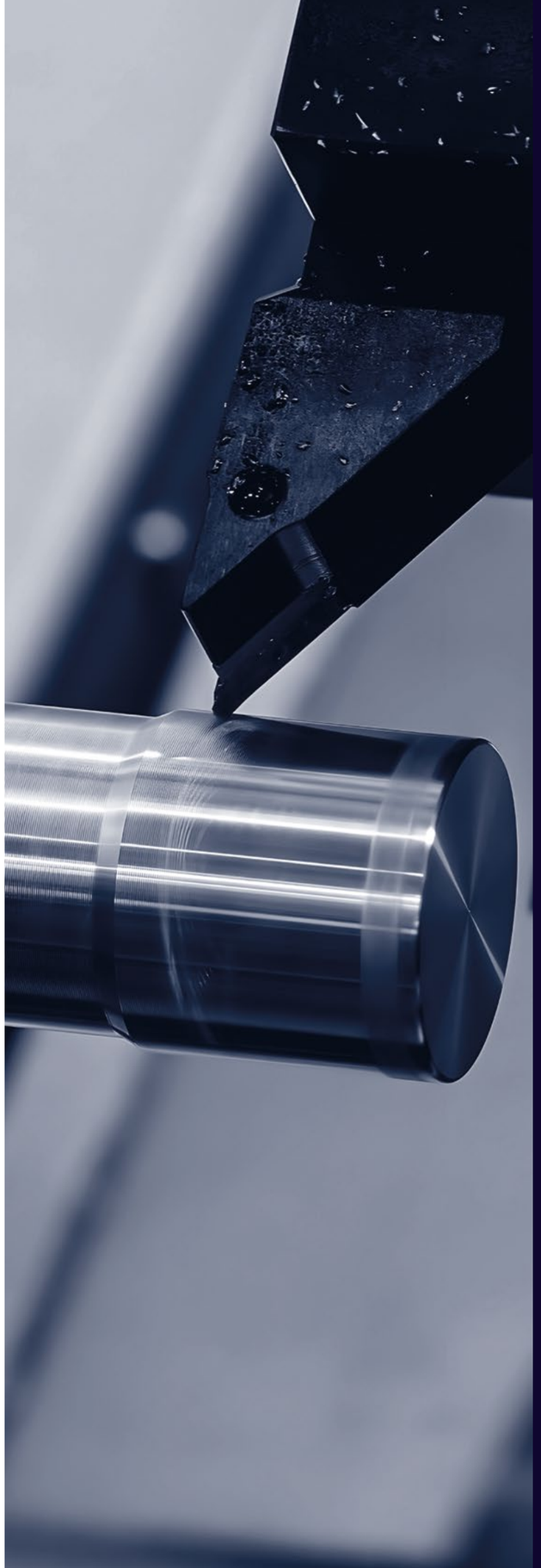
Trust in the innovation and reliability of Solé Advance to keep your vessel running smoothly.



Solutions for navigators, perfect & complete

In each of our solutions you will find the perfect combination of performance, durability and reliability. Join the best team and discover why we are the preferred choice for boaters around the world.

With Solé, your journey begins with confidence.



WE ARE INDUSTRY

Based in Europe and with an eye on the world, we are creators of innovative solutions, capable of bringing the boldest ideas to life. Our work as a manufacturer is a perfect combination of precision and creativity, using cutting-edge technology and craftsmanship skills to create products that make a difference.

360º VISION

We offer a complete service for a variety of solutions, geographic territories, and types of boats. We seek to be the trusted partner for a wide range of clients, from private individuals to shipyards, always with a clear vocation for service and advice.

HIGH PERFORMANCE

Our products are created and distributed with a commitment to meet the highest standards to ensure robustness, reliability, low maintenance to the highest and the assurance of having the best products in the market.

A UNIQUE PARTNER

The legacy of knowledge, skills and technologies acquired over time has meant that we have been able to meet the changing demands of the market and of society to offer a promising future.

MORE THAN ENGINES

At Solé Advance, your experience goes beyond engines and generators. We offer a full range of marine accessories to ensure that your team is a complete solution to your boating needs, from the engine to the propulsion line.

A SERVICE THAT GOES WITH YOU

Our global distribution and service network means we're there for you, wherever your adventure takes you. With efficient integrated logistics, the spare part you need is just an order away. Find your nearest dealer near you and find out what we can do for you.

Connecting the oceans

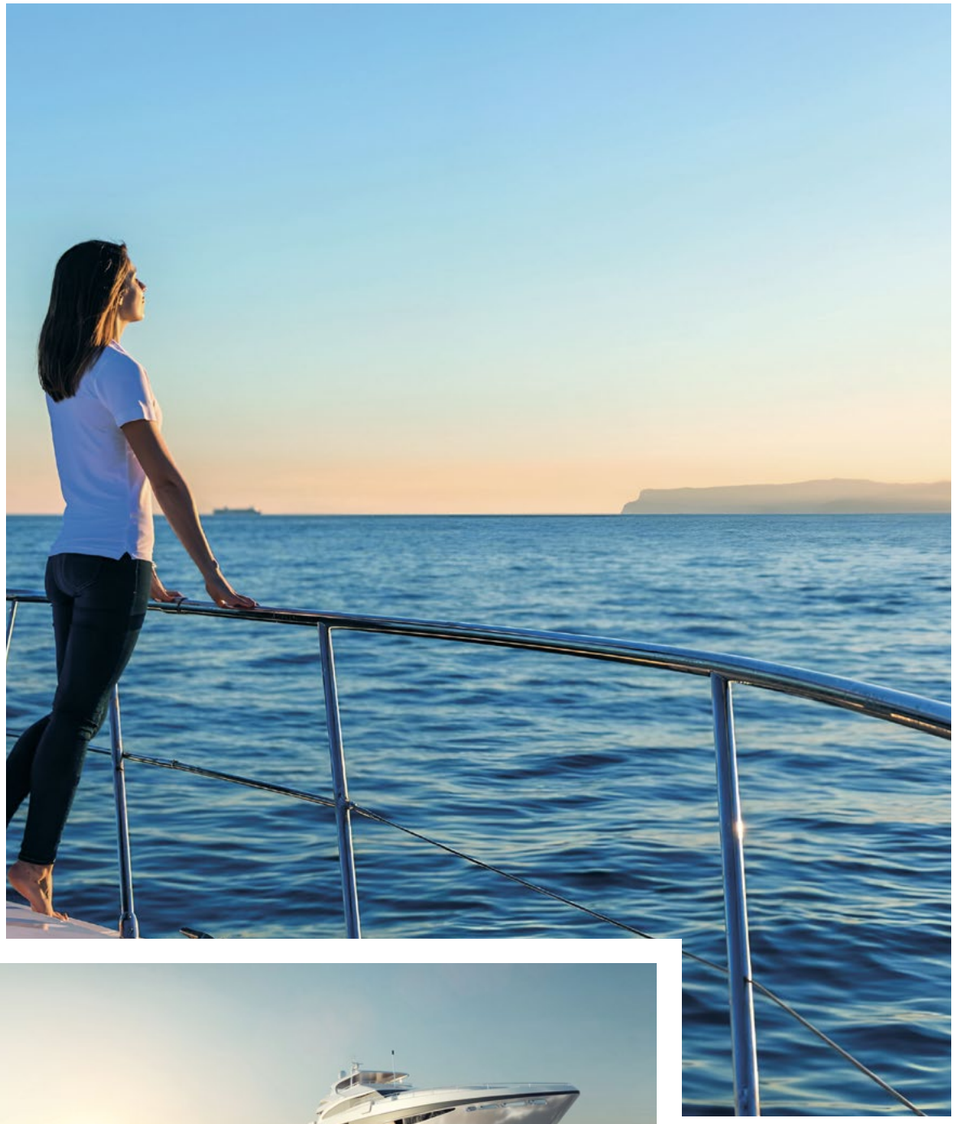
WHEREVER YOU SAIL, SOLĒ'S GLOBAL NETWORK ENSURES THAT THERE WILL ALWAYS BE A DEALER NEARBY TO HELP YOU

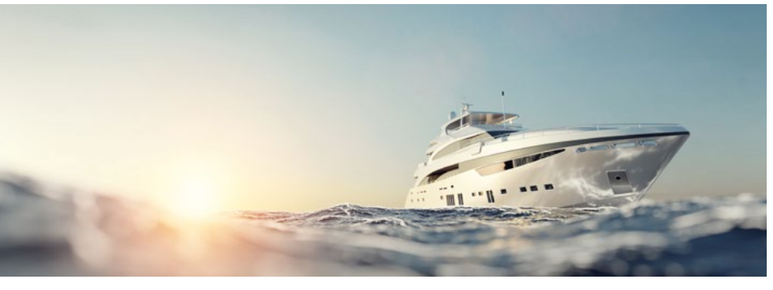
Thanks to our extensive dealer network, with authorised service partners in over 60 countries worldwide, you can be sure to find the qualified and experienced professionals you need to care for your boat. Our worldwide network of more than 2000 sales and service outlets is there to help you with installation, maintenance and repairs, as well as comprehensive advice on the purchase of new equipment.

Solé's presence always close to you ensures that you can fully enjoy your voyages without worries.

INTEGRATED LOGISTICS, IMMEDIATE SERVICE

Solé Marine Generator Sets: Power and Reliability





Solé Marine Generators:

Engineered to provide reliable, customised energy solutions

Designed to offer a reliable energy solution tailored to the needs of each vessel. With a broad power range — from 3 kVA to 180 kVA — and available in 3,000, 1,500 and 1,800 rpm versions, they support multiple configurations, both single-phase and three-phase.

The range is expanded with new variable speed models —8 VSC, 12 VSC and coming soon 16 VSC— which operate in a range from 2,200 to 3,000 rpm to optimise fuel consumption and dynamically adapt to on-board power demand. Their compact and efficient design, together with options such as soundproof enclosures or synchronisation systems for parallel operation, ensures easy integration on board, even in limited engine room space.

In addition, Type Approval certified models are available, specifically designed to ensure maximum performance and safety under the most demanding marine conditions.

HVO: Sustainable Power for Onboard Electricity Generation

At Solé Advance, we are committed to a cleaner and more efficient future in the marine industry. That's why our entire range of marine generator sets is fully compatible with HVO (Hydrotreated Vegetable Oil), a renewable fuel that significantly reduces harmful gas emissions.

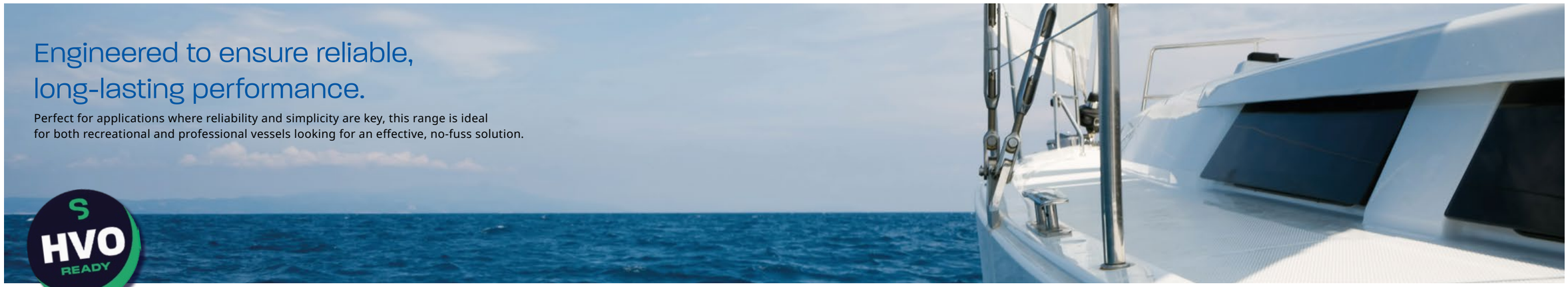
Solē Advance: The Perfect Complement for Electric Repowering Projects

Our marine generator sets are the perfect charging solution for electric repowering projects. When installing an electric propulsion motor on board, a Solé generator can supply the energy required to recharge the batteries, ensuring extended autonomy and uninterrupted navigation.

These configurations allow boaters to enjoy the benefits of electric propulsion—such as reduced noise and emissions—while relying on a dependable and efficient power source for all onboard needs.

FIXED SPEED GENERATOR SETS

TOTAL AUTONOMY, PEACE OF MIND ON BOARD

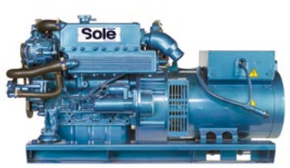


Engineered to ensure reliable, long-lasting performance.

Perfect for applications where reliability and simplicity are key, this range is ideal for both recreational and professional vessels looking for an effective, no-fuss solution.

HVO READY

3000 RPM RANGE 50 HZ



	4 GSCH V3
MAXIMUM POWER *(kVA)*	3
PRIME POWER *(kW)*	2,7
VOLTAGE *(V)*	230
AMPERAGE *(A)*	13
PHASES	1
Hz	50
RPM	3000
GOVERNOR TYPE	Mechanical
DRY WEIGHT WITH CANOPY *(Kg)*	96
DRY WEIGHT WITHOUT CANOPY *(Kg)*	-
DIMENSION WITH CANOPY *(mm)*	590 x 406 x 515
CONTROL PANEL	SCO 5
ALTERNATOR	4 GSCH V.3
ALTERNATOR TYPE	Synchronous
ALTERNATOR MODEL	VO90
REGULATOR TYPE	CAPACITOR
STANDARDS	EN60034-1, IEC 60034-1, ISO 8528-3

	G-8M-3	G-8T-3
MAXIMUM POWER *(kVA)*	8	8
PRIME POWER *(kW)*	7,3	5,8
VOLTAGE *(V)*	230	400/230
AMPERAGE *(A)*	34,9	11,5
PHASES	1	3
Hz	50	50
RPM	3000	3000
GOVERNOR TYPE	Mechanical	Mechanical
DRY WEIGHT WITH CANOPY *(Kg)*	-	-
DRY WEIGHT WITHOUT CANOPY *(Kg)*	165	175
DIMENSION WITH CANOPY *(mm)*	-	-
CONTROL PANEL	SCO 5	SCO 5
ALTERNATOR	MECCALTE	MECCALTE
ALTERNATOR TYPE	Synchronous	Synchronous
ALTERNATOR MODEL	ES20FS-130	ET20FS-130
REGULATOR TYPE	ASR	ASR
STANDARDS	EN60034-1, IEC 60034-1	EN60034-1, IEC 60034-1

3000 RPM RANGE 50 HZ

	G-15M-3	G-15T-3
MAXIMUM POWER *(kVA)*	15	15
PRIME POWER *(kW)*	13,6	10,9
VOLTAGE *(V)*	230	400/230
AMPERAGE *(A)*	65,2	21,7
PHASES	1	3
Hz	50	50
RPM	3000	3000
GOVERNOR TYPE	Mechanical	Mechanical
DRY WEIGHT WITH CANOPY *(Kg)*	-	-
DRY WEIGHT WITHOUT CANOPY *(Kg)*	225	225
DIMENSION WITH CANOPY *(mm)*	-	-
CONTROL PANEL	SCO 5	SCO 5
ALTERNATOR	MECCALTE	MECCALTE
ALTERNATOR TYPE	Synchronous	Synchronous
ALTERNATOR MODEL	ECP28 1L2 C	ECP3-1L/2
REGULATOR TYPE	DSR	DSR
STANDARDS	EN60034-1, IEC6034-1	EN60034-1, IEC 60034-1

	G-25M-3	G-25T-3
MAXIMUM POWER *(kVA)*	25	25
PRIME POWER *(kW)*	22,7	18,2
VOLTAGE *(V)*	230	400/230
AMPERAGE *(A)*	108,7	36,1
PHASES	1	3
Hz	50	50
RPM	3000	3000
GOVERNOR TYPE	Mechanical	Mechanical
DRY WEIGHT WITH CANOPY *(Kg)*	-	-
DRY WEIGHT WITHOUT CANOPY *(Kg)*	335	335
DIMENSION WITH CANOPY *(mm)*	-	-
CONTROL PANEL	SCO 5	SCO 5
ALTERNATOR	MECCALTE	MECCALTE
ALTERNATOR TYPE	Synchronous	Synchronous
ALTERNATOR MODEL	ECP28 2L 2	ECP-28 2L/2
REGULATOR TYPE	DSR	DSR
STANDARDS	EN60034-1, IEC 60034-1	EN60034-1, IEC 60034-1

3600 RPM RANGE 60 HZ

	4 GSACH V3
MAXIMUM POWER *(kVA)*	3,2
PRIME POWER *(kW)*	2,9
VOLTAGE *(V)*	240
AMPERAGE *(A)*	13,3
PHASES	1
Hz	60
RPM	3600
GOVERNOR TYPE	Mechanical
DRY WEIGHT WITH CANOPY *(Kg)*	96
DRY WEIGHT WITHOUT CANOPY *(Kg)*	-
DIMENSION WITH CANOPY *(mm)*	590 x 406 x 515
CONTROL PANEL	SCO 5
ALTERNATOR	4 GSCH V.3
ALTERNATOR TYPE	Synchronous
ALTERNATOR MODEL	VO90
REGULATOR TYPE	CAPACITOR
STANDARDS	EN60034-1, IEC 60034-1, ISO 8528-3

1500–1800 RPM RANGE SINGLE–PHASE 50–60 HZ

	7 GS/GSC	8 GSA/GSAC EPA TIER 4
MAXIMUM POWER *(kVA)*	6,6	8
PRIME POWER *(kW)*	6	7,3
VOLTAGE *(V)*	230	240
AMPERAGE *(A)*	28,7	33,5
PHASES	1	1
Hz	50	60
RPM	1500	1800
GOVERNOR TYPE	Mechanical / Electronic	Mechanical / Electronic
DRY WEIGHT WITH CANOPY *(Kg)*	220	220
DRY WEIGHT WITHOUT CANOPY *(Kg)*	198	198
DIMENSION WITH CANOPY *(mm)*	892 x 560 x 608	892 x 560 x 608
CONTROL PANEL	SCO 5	SCO 5
ALTERNATOR	SINCRO	SINCRO
ALTERNATOR TYPE	Synchronous	Synchronous
ALTERNATOR MODEL	SK160SZ1	SK160SZ1
REGULATOR TYPE	BL4	BL4
STANDARDS	EN 60034-1, IEC 60034-1, ISO 8528-3	EN 60034-1, IEC 60034-1, ISO 8528-3

	10 GS/GSC	12 GSA/GSAC EPA TIER 4
MAXIMUM POWER *(kVA)*	9,4	12
PRIME POWER *(kW)*	8,5	10,9
VOLTAGE *(V)*	230	240
AMPERAGE *(A)*	40,9	50
PHASES	1	1
Hz	50	60
RPM	1500	1800
GOVERNOR TYPE	Mechanical / Electronic	Mechanical / Electronic
DRY WEIGHT WITH CANOPY *(Kg)*	308	308
DRY WEIGHT WITHOUT CANOPY *(Kg)*	271	271
DIMENSION WITH CANOPY *(mm)*	1032 x 580 x 668	1032 x 580 x 668
CONTROL PANEL	SCO 5	SCO 5
ALTERNATOR	SINCRO	SINCRO
ALTERNATOR TYPE	Synchronous	Synchronous
ALTERNATOR MODEL	SK160CA1	-
REGULATOR TYPE	BL4	BL4
STANDARDS	EN 60034-1, IEC 60034-1, ISO 8528-3	EN 60034-1, IEC 60034-1, ISO 8528-3

	14 GS/GSC	17 GSA/GSAC EPA TIER 4
MAXIMUM POWER *(kVA)*	13,9	16,4
PRIME POWER *(kW)*	12,6	14,9
VOLTAGE *(V)*	230	240
AMPERAGE *(A)*	60,4	68,3
PHASES	1	1
Hz	50	60
RPM	1500	1800
GOVERNOR TYPE	Mechanical / Electronic	Mechanical / Electronic
DRY WEIGHT WITH CANOPY *(Kg)*	344	344
DRY WEIGHT WITHOUT CANOPY *(Kg)*	294	294
DIMENSION WITH CANOPY *(mm)*	1181 x 580 x 668	1181 x 580 x 668
CONTROL PANEL	SCO 5	SCO 5
ALTERNATOR	SINCRO	SINCRO
ALTERNATOR TYPE	Synchronous	Synchronous
ALTERNATOR MODEL	SK160MA1	SK160MA1
REGULATOR TYPE	BL4	BL4
STANDARDS	EN 60034-1, IEC 60034-1, ISO 8528-3	EN 60034-1, IEC 60034-1, ISO 8528-3

	20 GS/GSC	25 GSA/GSAC
MAXIMUM POWER *(kVA)*	20,1	25,1
PRIME POWER *(kW)*	18,3	22,8
VOLTAGE *(V)*	230	240
AMPERAGE *(A)*	87,4	104,6
PHASES	1	1
Hz	50	60
RPM	1500	1800
GOVERNOR TYPE	Mechanical / Electronic	Mechanical / Electronic
DRY WEIGHT WITH CANOPY *(Kg)*	426	426
DRY WEIGHT WITHOUT CANOPY *(Kg)*	402	402
DIMENSION WITH CANOPY *(mm)*	1310 x 610 x 698	1310 x 610 x 698
CONTROL PANEL	SCO 5	SCO 5
ALTERNATOR	SINCRO	SINCRO
ALTERNATOR TYPE	Synchronous	Synchronous
ALTERNATOR MODEL	SK160LA1	SK160LA1
REGULATOR TYPE	BL4	BL4
STANDARDS	EN 60034-1, IEC 60034-1, ISO 8528-3	EN 60034-1, IEC 60034-1, ISO 8528-3

1500-1800 RPM RANGE SINGLE-PHASE 50-60 HZ

	29 GS/GSC	32 GSA/GSAC
MAXIMUM POWER *(kVA)*	28,4	31,6
PRIME POWER *(kW)*	25,8	28,7
VOLTAGE *(V)*	230	240
AMPERAGE *(A)*	123,5	131,7
PHASES	1	1
Hz	50	60
RPM	1500	1800
GOVERNOR TYPE	Mechanical / Electronic	Mechanical / Electronic
DRY WEIGHT WITH CANOPY *(Kg)*	714	714
DRY WEIGHT WITHOUT CANOPY *(Kg)*	680	680
DIMENSION WITH CANOPY *(mm)*	1600 x 740 x 837	1600 x 740 x 837
CONTROL PANEL	SCO 11	SCO 11
ALTERNATOR	MECCALTE	MECCALTE
ALTERNATOR TYPE	Synchronous	Synchronous
ALTERNATOR MODEL	ECP32 1M 4 C	ECP32 1M 4 C
REGULATOR TYPE	DSR	DSR
STANDARDS	EN60034-1, IEC 60034-1	EN60034-1, IEC 60034-1

	36 GS/GSC	50 GS/GSC 230V
MAXIMUM POWER *(kVA)*	36	50
PRIME POWER *(kW)*	32,7	44,5
VOLTAGE *(V)*	230	230
AMPERAGE *(A)*	156	213,1
PHASES	1	1
Hz	50	50
RPM	1500	1500
GOVERNOR TYPE	Mechanical / Electronic	Mechanical / Electronic
DRY WEIGHT WITH CANOPY *(Kg)*	598	880
DRY WEIGHT WITHOUT CANOPY *(Kg)*	560	767
DIMENSION WITH CANOPY *(mm)*	1605 x 740 x 841	1903 x 840 x 848
CONTROL PANEL	SCO 11	SCO 11
ALTERNATOR	MECCALTE	MECCALTE
ALTERNATOR TYPE	Synchronous	Synchronous
ALTERNATOR MODEL	ECP32 1M 4 C	ECP32 2L 4 C
REGULATOR TYPE	DRS	DSR
STANDARDS	EN60034-1, IEC 60034-1	EN60034-1, IEC 60034-1

	60 GS/GSC
MAXIMUM POWER *(kVA)*	60
PRIME POWER *(kW)*	53,6
VOLTAGE *(V)*	230
AMPERAGE *(A)*	256,5
PHASES	1
Hz	50
RPM	1500
GOVERNOR TYPE	Electronic
DRY WEIGHT WITH CANOPY *(Kg)*	1108
DRY WEIGHT WITHOUT CANOPY *(Kg)*	996
DIMENSION WITH CANOPY *(mm)*	2150 x 865 x 1048
CONTROL PANEL	SCO 11
ALTERNATOR	MECCALTE
ALTERNATOR TYPE	Synchronous
ALTERNATOR MODEL	ECP34 1S 4 C
REGULATOR TYPE	DSR
STANDARDS	EN60034-1, IEC 60034-1

1500–1800 RPM RANGE THREE–PHASE 50–60 HZ

	8 GT/GTC	10 GTA/GTAC EPA TIER 4
MAXIMUM POWER *(kVA)*	7,8	9,4
PRIME POWER *(kW)*	5,7	6,8
VOLTAGE *(V)*	400/230	480/277
AMPERAGE *(A)*	11,3	11,3
PHASES	3	3
Hz	50	60
RPM	1500	1800
GOVERNOR TYPE	Mechanical / Electronic	Mechanical / Electronic
DRY WEIGHT WITH CANOPY *(Kg)*	224	224
DRY WEIGHT WITHOUT CANOPY *(Kg)*	201	201
DIMENSION WITH CANOPY *(mm)*	892 x 560 x 608	892 x 560 x 608
CONTROL PANEL	SCO 5	SCO 5
ALTERNATOR	SINCRO	SINCRO
ALTERNATOR TYPE	Synchronous	Synchronous
ALTERNATOR MODEL	SK160SA	SK160SA
REGULATOR TYPE	BL4	BL4
STANDARDS	EN 60034-1, IEC 60034-1, ISO 8528-3	EN 60034-1, IEC 60034-1, ISO 8528-3

	11 GT/GTC	14 GTA/GTAC EPA TIER 4
MAXIMUM POWER *(kVA)*	10,5	13,6
PRIME POWER *(kW)*	7,6	9,9
VOLTAGE *(V)*	400/230	480/277
AMPERAGE *(A)*	15,2	16,4
PHASES	3	3
Hz	50	60
RPM	1500	1800
GOVERNOR TYPE	Mechanical / Electronic	Mechanical / Electronic
DRY WEIGHT WITH CANOPY *(Kg)*	300	300
DRY WEIGHT WITHOUT CANOPY *(Kg)*	264	264
DIMENSION WITH CANOPY *(mm)*	1032 x 580 x 668	1032 x 580 x 668
CONTROL PANEL	SCO 5	SCO 5
ALTERNATOR	SINCRO	SINCRO
ALTERNATOR TYPE	Synchronous	Synchronous
ALTERNATOR MODEL	SK160CA	SK160CA
REGULATOR TYPE	BL4	BL4
STANDARDS	EN 60034-1, IEC 60034-1, ISO 8528-3	EN 60034-1, IEC 60034-1, ISO 8528-3

	17 GT/GTC	20 GTA/GTAC EPA TIER 4
MAXIMUM POWER *(kVA)*	16,4	19,5
PRIME POWER *(kW)*	11,9	14,2
VOLTAGE *(V)*	400/230	480/277
AMPERAGE *(A)*	23,7	23,5
PHASES	3	3
Hz	50	60
RPM	1500	1800
GOVERNOR TYPE	Mechanical / Electronic	Mechanical / Electronic
DRY WEIGHT WITH CANOPY *(Kg)*	344	344
DRY WEIGHT WITHOUT CANOPY *(Kg)*	282	282
DIMENSION WITH CANOPY *(mm)*	1181 x 580 x 668	1181 x 580 x 668
CONTROL PANEL	SCO 5	SCO 5
ALTERNATOR	SINCRO	SINCRO
ALTERNATOR TYPE	Synchronous	Synchronous
ALTERNATOR MODEL	SK160MA	SK160MA
REGULATOR TYPE	BL4	BL4
STANDARDS	EN 60034-1, IEC 60034-1, ISO 8528-3	EN 60034-1, IEC 60034-1, ISO 8528-3

	25 GT/GTC	30 GTA/GTAC
MAXIMUM POWER *(kVA)*	24,3	30
PRIME POWER *(kW)*	17,7	21,8
VOLTAGE *(V)*	400/230	480/277
AMPERAGE *(A)*	35,1	36,1
PHASES	3	3
Hz	50	60
RPM	1500	1800
GOVERNOR TYPE	Mechanical / Electronic	Mechanical / Electronic
DRY WEIGHT WITH CANOPY *(Kg)*	412	412
DRY WEIGHT WITHOUT CANOPY *(Kg)*	351	351
DIMENSION WITH CANOPY *(mm)*	1310 x 610 x 698	1310 x 610 x 698
CONTROL PANEL	SCO 5	SCO 5
ALTERNATOR	SINCRO	SINCRO
ALTERNATOR TYPE	Synchronous	Synchronous
ALTERNATOR MODEL	SK160LA	SK160LA
REGULATOR TYPE	BL4	BL4
STANDARDS	EN 60034-1, IEC 60034-1, ISO 8528-3	EN 60034-1, IEC 60034-1, ISO 8528-3

1500-1800 RPM RANGE THREE-PHASE 50-60 HZ

	35 GT/GTC	40 GTA/GTAC
MAXIMUM POWER *(kVA)*	35	39
PRIME POWER *(kW)*	25,5	28,4
VOLTAGE *(V)*	400/230	480/277
AMPERAGE *(A)*	50,6	46,9
PHASES	3	3
Hz	50	60
RPM	1500	1800
GOVERNOR TYPE	Mechanical / Electronic	Mechanical / Electronic
DRY WEIGHT WITH CANOPY *(Kg)*	545	545
DRY WEIGHT WITHOUT CANOPY *(Kg)*	494	494
DIMENSION WITH CANOPY *(mm)*	1445 x 630 x 788	1445 x 630 x 788
CONTROL PANEL	SCO 11	SCO 11
ALTERNATOR	SINCRO	SINCRO
ALTERNATOR TYPE	Synchronous	Synchronous
ALTERNATOR MODEL	SK160WA	SK160WA
REGULATOR TYPE	BL4	BL4
STANDARDS	EN 60034-1, IEC 60034-1, ISO 8528-3	EN 60034-1, IEC 60034-1, ISO 8528-3

	45 GT/GTC	54 GTA/GTAC
MAXIMUM POWER *(kVA)*	45	53,5
PRIME POWER *(kW)*	32,7	38,9
VOLTAGE *(V)*	400/230	480/277
AMPERAGE *(A)*	65	64,4
PHASES	3	3
Hz	50	60
RPM	1500	1800
GOVERNOR TYPE	Mechanical / Electronic	Mechanical / Electronic
DRY WEIGHT WITH CANOPY *(Kg)*	598	598
DRY WEIGHT WITHOUT CANOPY *(Kg)*	560	560
DIMENSION WITH CANOPY *(mm)*	1605 x 740 x 841	1605 x 740 x 841
CONTROL PANEL	SCO 11	SCO 11
ALTERNATOR	MECCALTE	MECCALTE
ALTERNATOR TYPE	Synchronous	Synchronous
ALTERNATOR MODEL	ECP32 1M 4 C	ECP32 1M 4 C
REGULATOR TYPE	DSR	DSR
STANDARDS	EN60034-1, IEC 60034-1	EN60034-1, IEC 60034-1

	50 GT/GTC	60 GTA/GTAC
MAXIMUM POWER *(kVA)*	48,9	58,3
PRIME POWER *(kW)*	35,6	42,4
VOLTAGE *(V)*	400/230	480/277
AMPERAGE *(A)*	70,6	70,1
PHASES	3	3
Hz	50	60
RPM	1500	1800
GOVERNOR TYPE	Mechanical / Electronic	Mechanical / Electronic
DRY WEIGHT WITH CANOPY *(Kg)*	795	795
DRY WEIGHT WITHOUT CANOPY *(Kg)*	690	690
DIMENSION WITH CANOPY *(mm)*	1875 x 840 x 848	1875 x 840 x 848
CONTROL PANEL	SCO 11	SCO 11
ALTERNATOR	MECCALTE	MECCALTE
ALTERNATOR TYPE	Synchronous	Synchronous
ALTERNATOR MODEL	ECP32 1M 4 C	ECP32 1M 4 C
REGULATOR TYPE	DSR	DSR
STANDARDS	EN60034-1, IEC 60034-1	EN60034-1, IEC 60034-1

	68 GT/GTC	84 GTA/GTAC
MAXIMUM POWER *(kVA)*	68,4	83,6
PRIME POWER *(kW)*	49,7	60,8
VOLTAGE *(V)*	400/230	480/277
AMPERAGE *(A)*	98,7	100,6
PHASES	3	3
Hz	50	60
RPM	1500	1800
GOVERNOR TYPE	Mechanical / Electronic	Mechanical / Electronic
DRY WEIGHT WITH CANOPY *(Kg)*	869	869
DRY WEIGHT WITHOUT CANOPY *(Kg)*	759	759
DIMENSION WITH CANOPY *(mm)*	1903 x 840 x 848	1903 x 840 x 848
CONTROL PANEL	SCO 11	SCO 11
ALTERNATOR	MECCALTE	MECCALTE
ALTERNATOR TYPE	Synchronous	Synchronous
ALTERNATOR MODEL	ECP32 1L 4 C	ECP32 1L 4 C
REGULATOR TYPE	DSR	DSR
STANDARDS	EN60034-1, IEC 60034-1	EN60034-1, IEC 60034-1

1500-1800 RPM RANGE THREE-PHASE 50-60 HZ

	85 GT/GTC	100 GTA/GTAC
MAXIMUM POWER *(kVA)*	85	97,3
PRIME POWER *(kW)*	61,8	70,8
VOLTAGE *(V)*	400/230	480/277
AMPERAGE *(A)*	122,7	117
PHASES	3	3
Hz	50	60
RPM	1500	1800
GOVERNOR TYPE	Electronic	Electronic
DRY WEIGHT WITH CANOPY *(Kg)*	1100	1100
DRY WEIGHT WITHOUT CANOPY *(Kg)*	988	988
DIMENSION WITH CANOPY *(mm)*	2150 x 865 x 1048	2150 x 865 x 1048
CONTROL PANEL	SCO 11	SCO 11
ALTERNATOR	MECCALTE	MECCALTE
ALTERNATOR TYPE	Synchronous	Synchronous
ALTERNATOR MODEL	ECP34 1S 4 C	ECP34 1S 4 C
REGULATOR TYPE	DSR	DSR

	115 GT/GTC	120 GTA/GTAC
MAXIMUM POWER *(kVA)*	112,4	120
PRIME POWER *(kW)*	82	87,3
VOLTAGE *(V)*	400/230	480/277
AMPERAGE *(A)*	162,2	144,3
PHASES	3	3
Hz	50	60
RPM	1500	1800
GOVERNOR TYPE	Electronic	Electronic
DRY WEIGHT WITH CANOPY *(Kg)*	1117	1117
DRY WEIGHT WITHOUT CANOPY *(Kg)*	1010	1010
DIMENSION WITH CANOPY *(mm)*	2150 x 865 x 1048	2007 x 865 x 1048
CONTROL PANEL	SCO 11	SCO 11
ALTERNATOR	MECCALTE	MECCALTE
ALTERNATOR TYPE	Synchronous	Synchronous
ALTERNATOR MODEL	ECP34 1M 4 C	ECP34 1M 4 C
REGULATOR TYPE	DSR	DSR
STANDARDS	EN60034-1, IEC 60034-1	EN60034-1, IEC 60034-1

	165 GT/GTC	180 GTA/GTAC
MAXIMUM POWER *(kVA)*	157	157
PRIME POWER *(kW)*	114,2	114,2
VOLTAGE *(V)*	400/230	480/277
AMPERAGE *(A)*	226,8	226,8
PHASES	3	3
Hz	50	60
RPM	1500	1800
GOVERNOR TYPE	Electronic	Electronic
DRY WEIGHT WITH CANOPY *(Kg)*	1630	1630
DRY WEIGHT WITHOUT CANOPY *(Kg)*	1410	1410
DIMENSION WITH CANOPY *(mm)*	2350 x 865 x 1146	2350 x 865 x 1146
CONTROL PANEL	SCO 11	SCO 11
ALTERNATOR	MECCALTE	MECCALTE
ALTERNATOR TYPE	Synchronous	Synchronous
ALTERNATOR MODEL	ECO38-1S/4A	ECO38-1S/4A
REGULATOR TYPE	DSR	DSR
STANDARDS	EN60034-1, IEC 60034-1	EN60034-1, IEC 60034-1

VARIABLE SPEED GENERATOR SETS

POWER THAT ADAPTS TO YOU

VARIABLE SPEED GENERATOR SETS

At Solé Advance, we are committed to technology that adapts to real on-board needs.

Our Variable Speed marine generator sets, such as the 8 VSC, 12 VSC and 16 VSC, operate within a range of 2200 to 3000 RPM. This allows them to adapt dynamically, reducing noise levels and ensuring smoother performance. An ideal solution for vessels where comfort and efficiency are a top priority.

HOW DO VARIABLE SPEED GENERATORS WORK?

Unlike fixed-speed models, variable speed marine generator sets automatically adjust their operation to match the onboard electrical demand at any given time. This dynamic management, governed by electronic control, ensures that only the energy required is consumed.

When onboard demand is low—such as at night or under sail—the generator reduces its engine speed. As additional systems or equipment are activated, the engine speed increases to supply the necessary power without interruption.

Intelligent regulation is handled by a central control unit (MCU), which works in tandem with a PMG alternator and inverter system to ensure a stable, continuous, and efficient power supply.

Designed for seamless integration in limited spaces, these generators are the ideal solution for sailing yachts and leisure craft that require greater onboard power without compromising on efficiency or space optimisation.

BENEFITS OF VARIABLE SPEED GENERATOR SETS

Compact design
Its compact layout provides greater flexibility for vessels that require higher power output but have limited space in the engine room.

Optimised maintenance
The control system automatically adjusts the operating speed, protecting the generator set from unnecessary strain and ensuring more stable performance at all times.

Extended service life
Demand-based operation reduces overall system wear, prolonging the lifespan of both the generator set and the connected electrical equipment.

KEY COMPONENTS FOR INTEGRATED CONTROL

INVERTER

In Solé Advance Variable Speed generator sets, the inverter is responsible for precisely regulating the frequency and voltage output, even when the engine speed fluctuates. This ensures a continuous, safe, and efficient power supply at all times.

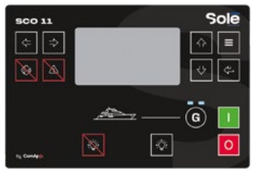
Its adaptive capacity helps optimise energy consumption, reduce maintenance, and provide a faster system response to changes in onboard power demand.

MCU *(Engine Control Unit)*

At Solé Advance, we incorporate a dedicated MCU *(Engine Control Unit)* for our Variable Speed range, housed in an IP65-rated enclosure designed to withstand the demanding conditions of the marine environment.

This unit manages communication between the engine, the power converter, and the SCO 11 control panel, ensuring a fully coordinated and efficient system operation. The engine speed is automatically adjusted based on the real-time power demand, allowing for smoother operation and precise response under all conditions.

Thanks to its plug & play configuration and enhanced protection, the MCU ensures reliable and straightforward integration on board.

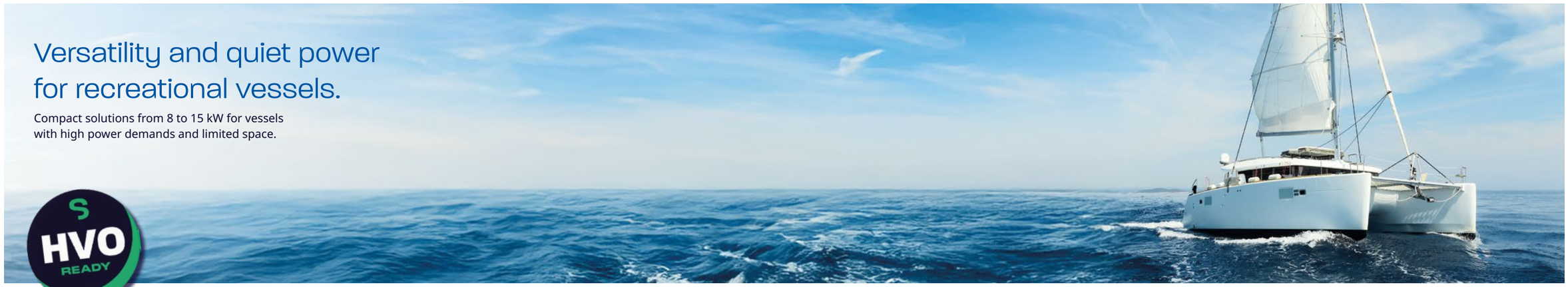


SCO 11 PANEL

The SCO 11 Solé Control Panel by ComAp offers a clear, intuitive, and safe user experience for operating Solé Advance marine generator sets. Its plug & play design simplifies installation and enables both local and remote control of the generator.

In addition, it allows full visualisation of all key generator parameters and the activation of specific configurations or alarms, providing flexibility and control in any onboard scenario.

The entire system is designed as a plug & play solution, with optimised interconnection between components and preconfigured wiring to ensure quick installation and enhanced reliability.



Versatility and quiet power for recreational vessels.

Compact solutions from 8 to 15 kW for vessels with high power demands and limited space.

HVO READY

VARIABLE SPEED 50–60 HZ

	8 VSC	8VSAC
MAXIMUM POWER *(kVA)*	8	8
PRIME POWER *(kW)*	7,3	7,3
VOLTAGE *(V)*	230	240
AMPERAGE *(A)*	34,8	33,3
PHASES	1	1
Hz	50	60
RPM	2200-3000	2200-3000
GOVERNOR TYPE	Electronic	Electronic
DRY WEIGHT WITH CANOPY *(Kg)*	157	157
DRY WEIGHT WITHOUT CANOPY *(Kg)*	-	-
DIMENSION WITH CANOPY *(mm)*	660 x 525 x 567	660 x 525 x 567
CONTROL PANEL	SCO 11 VSC	SCO 11 VSC
ALTERNATOR	MECCALTE	MECCALTE
ALTERNATOR TYPE	PMG	PMG
ALTERNATOR MODEL	PM5G	PM5G
REGULATOR TYPE	Electronic governor with actuator	Electronic governor with actuator
STANDARDS	EN61000-6-3, EN61000-6-2, EN61000 3-2/3-12, EN550002, EN1000 6-1	EN61000-6-3, EN61000-6-2, EN61000 3-2/3-12, EN550002, EN1000 6-1

	12VSC	12VSAC
MAXIMUM POWER *(kVA)*	12	12
PRIME POWER *(kW)*	10,9	10,9
VOLTAGE *(V)*	230	240
AMPERAGE *(A)*	52,2	50
PHASES	1	1
Hz	50	60
RPM	2200-3000	2200-3000
GOVERNOR TYPE	Electronic	Electronic
DRY WEIGHT WITH CANOPY *(Kg)*	190	190
DRY WEIGHT WITHOUT CANOPY *(Kg)*	-	-
DIMENSION WITH CANOPY *(mm)*	750 x 525 x 567	750 x 525 x 567
CONTROL PANEL	SCO 11 VSC	SCO 11 VSC
ALTERNATOR	MECCALTE	MECCALTE
ALTERNATOR TYPE	PMG	PMG
ALTERNATOR MODEL	PM5G	PM5G
REGULATOR TYPE	Electronic governor with actuator	Electronic governor with actuator
STANDARDS	EN61000-6-3, EN61000-6-2, EN61000 3-2/3-12, EN550002, EN1000 6-1	EN61000-6-3, EN61000-6-2, EN61000 3-2/3-12, EN550002, EN1000 6-1

S

AVAILABLE SOON

VARIABLE SPEED 50-60 HZ

	16VSC	16VSAC
MAXIMUM POWER *(kVA)*	15	15
PRIME POWER *(kW)*	13,6	13,6
VOLTAGE *(V)*	230	240
AMPERAGE *(A)*	65,2	62,5
PHASES	1	1
Hz	50	60
RPM	1700-2400	1700-2400
GOVERNOR TYPE	Electronic	Electronic
DRY WEIGHT WITH CANOPY *(Kg)*	260	260
DRY WEIGHT WITHOUT CANOPY *(Kg)*	-	-
DIMENSION WITH CANOPY *(mm)*	830x560x625	830x560x625
CONTROL PANEL	SCO 11	SCO 11
ALTERNATOR	MECCALTE	MECCALTE
ALTERNATOR TYPE	PMG	PMG
ALTERNATOR MODEL	PM5G	PM5G
REGULATOR TYPE	Electronic governor with actuator	Electronic governor with actuator
STANDARDS	EN61000-6-3, EN61000-6-2, EN61000 3-2/3-12, EN550002, EN1000 6-1	EN61000-6-3, EN61000-6-2, EN61000 3-2/3-12, EN550002, EN1000 6-1

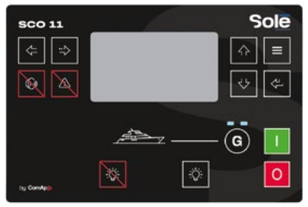
CONTROL PANELS

SCO 5 PANEL

The SCO 5 Panel comes as standard on Solé Advance marine generator sets up to 25 kVA, designed to provide simple and efficient control. This panel stands out for its ease of installation and operation, featuring a display with icons and numeric values instead of text, offering a universal and intuitive user experience for all operators.

Key generator information is presented clearly and directly through on-screen numbers, LED indicators, and intuitive symbols, ensuring fast and accurate readings. It also includes remote control functionality, allowing comfortable and effective operation from a distance—ideal for adapting to the needs of any vessel.

With its compact design, the SCO 5 Panel is easy to integrate even in limited spaces, ensuring optimal and trouble-free performance.



SCO 11 PANEL

The SCO 11 Panel – Solé by ComAp – is the control and protection panel designed to ensure safe and efficient operation of Solé marine generator sets. With its clear and intuitive display, it shows the operating status of the generator and all relevant parameters, offering a straightforward experience for both installers and end users.

Thanks to its Plug & Play design, the SCO 11 comes ready to mount and operate, greatly simplifying installation. This model replaces the previous SCO 10 in the generator sets where it is now included as standard, maintaining the same trusted foundation but with a refreshed design and enhanced features, such as the ability to activate additional settings and specific alarms.

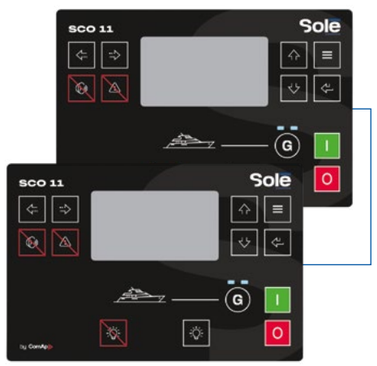
The SCO 11 includes remote-control capability, allowing full management of the generator from a distance with maximum convenience.

Finally, all Solé panels – SCO 5, SCO 10 and SCO 11 – are fully interchangeable, allowing users to upgrade or switch models effortlessly based on their needs.

TECHNICAL FEATURES

	SCO 5	SCO 11
DIMENSIONS	118 x 108 x 43 mm Panel cut-out: 92 x 92 mm	195 x 135 x 47 mm Panel cut-out: 170 x 110 mm
WEIGHT	246 g	450 g
OPERATING CONDITIONS	Temperature: -20 + 70°C Humidity: 95 % non-condensing Front panel protection: IP65	Temperature: -20 + 70°C Humidity: 95 % non-condensing Front panel protection: IP65
DISPLAY INFORMATION	Measurement: Voltage L1-L3 (V) Frequency (Hz) Oil pressure (bar) Coolant temperature (°C) Battery voltage (V CC) RPM Apparent power* (kVA) Current* (A) Power factor* History log	Measurement: Voltage L1-L3 (V) Frequency (Hz) Oil pressure (bar) Coolant temperature (°C) Battery voltage (V CC) RPM Apparent power* (kVA) Current* (A) Power factor* History log
FUNCTIONS	OFF mode MAN mode (manual start/stop of generator) AUT mode (automatic start/stop)	OFF mode MAN mode (manual start/stop of generator) AUT mode (automatic start/stop)

**The specified function requires current transformers (optional equipment). 'Amperometric transformer pack'*



DOUBLE PANEL KIT

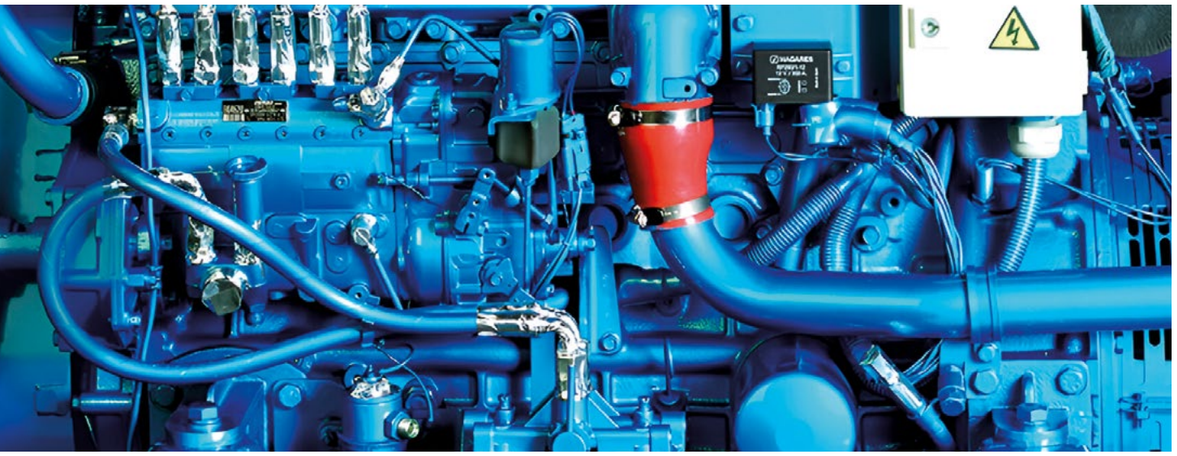
This kit includes an additional SCO 11 Panel and is designed to offer greater comfort and flexibility on board, allowing you to control your equipment from different locations on the vessel—such as the engine room or helm station—quickly and efficiently.

Like all Solé panels, this kit integrates ComAp technology, ensuring a reliable, intuitive, and highly efficient control system. Thanks to this technology, you can monitor the generator's operation with accuracy and confidence, enhancing both operability and safety on board.

MARINE GENERATOR SETS TYPE APPROVAL CERTIFICATION

YOUR SAFE POWER AT SEA

S



MARINE GENERATORS TYPE APPROVAL

Our Type Approval certified marine generator sets are engineered to deliver outstanding performance, especially in professional applications that demand maximum reliability. Each certified unit comes with all the necessary documentation verifying compliance with international standards.

WHAT DO WE OFFER?

At Solé Advance, we not only certify our generators, but also the engines in their auxiliary version, ensuring the highest quality and reliability. We offer a wide range of models, available in standard TAC version and TAC Electronic Governor. Each of them is designed to provide a user-friendly experience, with easy installation and maintenance.

STANDARD EQUIPMENT AND FEATURES OF TAC[2] GENERATOR SETS

- TAC-certified alternator for generator sets
- TAC engine control and monitoring system
- Maximum power: rated output capable of operating under overload (110% over nominal power)
- Belt guard
- Hot surface insulation according to TAC standards
- Spray stop on pipe fittings containing flammable liquids
- Double-walled fuel pipes
- Dual fuel filter
- Rubber hoses with internal textile reinforcement and equipped with double clamps
- Mechanical connections and threaded unions
- Ground insulation

[1] DNV

BUREAU VERITAS 1828 BUREAU VERITAS

KR KOREAN REGISTER

[1] DNV is a full member of IACS (International Association of Classification Societies).
[2] TAC stands for Type Approval Certification.

Designed for vessels that must comply with the most stringent standards.

The Solé Advance TAC range of marine generator sets is DNV Type Approval certified,
ensuring compliance with international standards and IACS regulations.
This certification guarantees their quality, safety, and high performance.

HVO READY

TAC RANGE 50 HZ

MODEL	MAXIMUM POWER	PRIME POWER	VOLTAGE	AMPS	PHASES	HZ	RPM	GOVERNOR TYPE	CONTROL PANEL	ALTERNATOR	ALTERNATOR TYPE	STANDARDS
	(kVA)	*(kW)*	*(V)*	*(A)*								
10 GS/GSC 230V TAC	8,25	7,5	230	35,9	1	50	1500	Mechanical / Electronic	SCO 40	SINCRO	Synchronous	EN 60034-1, IEC 60034-1, ISO 8528-3
11 GT/GTC TAC	9,9	7,2	400	14,3	3	50	1500	Mechanical / Electronic	SCO 40	SINCRO	Synchronous	EN 60034-1, IEC 60034-1, ISO 8528-3
14 GS/GSC 230V TAC	13,2	12	230	57,4	1	50	1500	Mechanical / Electronic	SCO 40	SINCRO	Synchronous	EN 60034-1, IEC 60034-1, ISO 8528-3
17 GT/GTC TAC	16,5	12	400	23,8	3	50	1500	Mechanical / Electronic	SCO 40	SINCRO	Synchronous	EN 60034-1, IEC 60034-1, ISO 8528-3
20 GS/GSC 230V TAC	19,25	17,5	230	83,7	1	50	1500	Mechanical / Electronic	SCO 40	SINCRO	Synchronous	EN 60034-1, IEC 60034-1, ISO 8528-3
25 GT/GTC TAC	24,2	17,6	400	34,9	3	50	1500	Mechanical / Electronic	SCO 40	SINCRO	Synchronous	EN 60034-1, IEC 60034-1, ISO 8528-3
29 GS/GSC 230V TAC	27,5	25	230	119,6	1	50	1500	Mechanical / Electronic	SCO 40	MECCALTE	Synchronous	EN60034-1, IEC 60034-1
35 GT/GTC TAC	35,2	25,6	400	50,8	3	50	1500	Mechanical / Electronic	SCO 40	SINCRO	Synchronous	EN 60034-1, IEC 60034-1, ISO 8528-3
45 GT/GTC TAC	44	32	400	63,5	3	50	1500	Mechanical / Electronic	SCO 40	MECCALTE	Synchronous	EN60034-1, IEC 60034-1
50 GT/GTC TAC	45	36	400	71,5	3	50	1500	Mechanical / Electronic	SCO 40	MECCALTE	Synchronous	EN60034-1, IEC 60034-1
68 GT/GTC TAC	62	49,6	400	98,4	3	50	1500	Mechanical / Electronic	SCO 40	MECCALTE	Synchronous	EN60034-1, IEC 60034-1

TAC RANGE 50 HZ

MODEL	MAXIMUM POWER	PRIME POWER	VOLTAGE	AMPS	PHASES	HZ	RPM	GOVERNOR TYPE	CONTROL PANEL	ALTERNATOR	ALTERNATOR TYPE	STANDARDS
	(kVA)	*(kW)*	*(V)*	*(A)*								
85 GT/GTC TAC	85	68	400	135,0	3	50	1500	Mechanical / Electronic	SCO 40	MECCALTE	Synchronous	EN60034-1, IEC 60034-1
115 GT/GTC TAC	100	80	400	158,8	3	50	1500	Mechanical / Electronic	SCO 40	MECCALTE	Synchronous	EN60034-1, IEC 60034-1

TAC RANGE 60 HZ

MODEL	MAXIMUM POWER	PRIME POWER	VOLTAGE	AMPS	PHASES	HZ	RPM	GOVERNOR TYPE	CONTROL PANEL	ALTERNATOR	ALTERNATOR TYPE	STANDARDS
	(kVA)	*(kW)*	*(V)*	*(A)*								
12 GSA/GSAC 240V TAC	11	10	240	45,8	1	60	1800	Mechanical / Electronic	SCO 40	SINCRO	Synchronous	EN 60034-1, IEC 60034-1, ISO 8528-3
14 GTA/GTAC TAC	13,2	9,6	480	15,9	3	60	1800	Mechanical / Electronic	SCO 40	SINCRO	Synchronous	EN 60034-1, IEC 60034-1, ISO 8528-3
17 GSA/GSAC 240V TAC	15,95	14,5	480	33,2	1	60	1800	Mechanical / Electronic	SCO 40	SINCRO	Synchronous	EN 60034-1, IEC 60034-1, ISO 8528-3
20 GTA/GTAC TAC	18,7	13,6	480	22,5	3	60	1800	Mechanical / Electronic	SCO 40	SINCRO	Synchronous	EN 60034-1, IEC 60034-1, ISO 8528-3
25 GSA/GSAC 240V TAC	23,65	21,5	240	98,5	1	60	1800	Mechanical / Electronic	SCO 40	SINCRO	Synchronous	EN 60034-1, IEC 60034-1, ISO 8528-3
30 GTA/GTAC TAC	29,7	21,6	480	35,7	3	60	1800	Mechanical / Electronic	SCO 40	SINCRO	Synchronous	EN 60034-1, IEC 60034-1, ISO 8528-3
32 GSA/GSAC 240V TAC	30,8	28	240	128,3	1	60	1800	Mechanical / Electronic	SCO 40	MECCALTE	Synchronous	EN60034-1, IEC 60034-1
40 GTA/GTAC TAC	38,5	28	480	46,3	3	60	1800	Mechanical / Electronic	SCO 40	SINCRO	Synchronous	EN 60034-1, IEC 60034-1, ISO 8528-3
54 GTA/GTAC TAC	52,8	38,4	480	63,5	3	60	1800	Mechanical / Electronic	SCO 40	MECCALTE	Synchronous	EN60034-1, IEC 60034-1
60 GTA/GTAC TAC	58,3	42,4	480	70,1	3	60	1800	Mechanical / Electronic	SCO 40	MECCALTE	Synchronous	EN60034-1, IEC 60034-1
84 GTA/GTAC TAC	82,5	60	480	99,2	3	60	1800	Mechanical / Electronic	SCO 40	MECCALTE	Synchronous	EN60034-1, IEC 60034-1
100 GTA/GTAC TAC	104,5	76	480	125,7	3	60	1800	Mechanical / Electronic	SCO 40	MECCALTE	Synchronous	EN60034-1, IEC 60034-1
120 GTA/GTAC TAC	126,5	92	480	152,2	3	60	1800	Mechanical / Electronic	SCO 40	MECCALTE	Synchronous	EN60034-1, IEC 60034-1

TAC CONTROL PANELS

SCO 40 PANEL

The SCO 40 Panel by ComAp – DCU Marine is the control and protection system supplied with Solé Advance generator sets featuring Type Approval certification issued by DNV and Bureau Veritas (BV), ensuring reliability under the most demanding marine conditions.

This panel is equipped with a high-performance LCD screen designed to provide an intuitive and detailed user experience. Through icons, symbols, and bar graphs, it offers a clear and comprehensive view of the generator's operating status, enabling real-time monitoring of all key parameters.

It also provides redundant control of the marine generator, displaying alarms both on screen and via the ECU alarm indicator.

The SCO 40 monitors all engine parameters of the generator set, including temperature, pressure, and alarms, and incorporates a dual power supply system and dual RPM reading for enhanced operational safety. This ensures complete system control and, like all Solé Advance panels, offers convenient remote-control functionality, allowing for flexible and efficient management from any location.

The panel is supplied in a Solé IP65-rated control cabinet, designed to ensure maximum protection and performance—delivering a comprehensive solution for advanced control and reliable protection of Solé Advance TAC marine generator sets.

TAC DUAL PANEL KIT

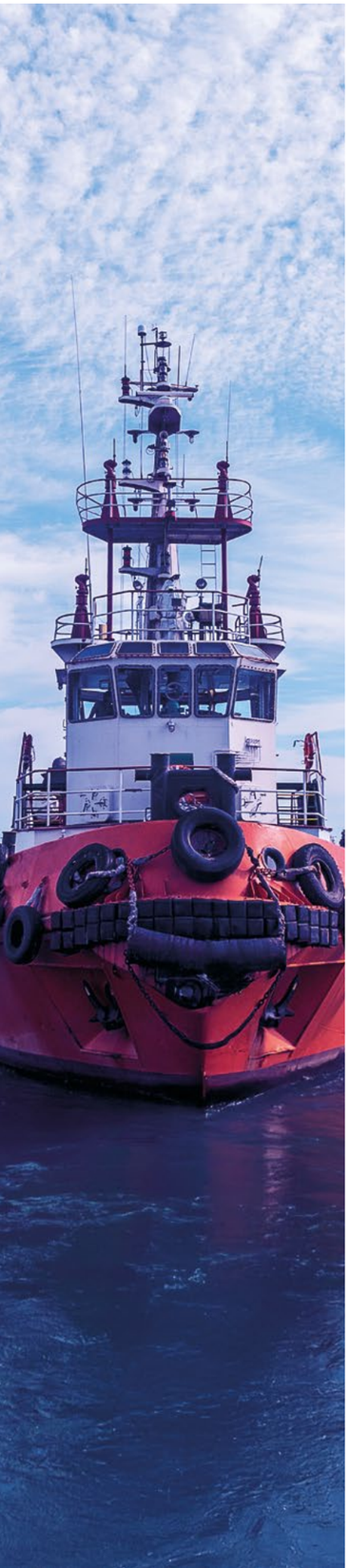
The TAC Dual Panel Kit allows you to add a second Intelivision 5 panel to your marine generator with Type Approval certification from DNV and Bureau Veritas (BV), expanding management capabilities and usability on board.

Designed to provide maximum convenience and flexibility, its compact size, robustness, and ease of use make it an ideal solution for daily operations on any vessel.

PARALLEL OPERATION SOLUTIONS

TEAMWORK FOR UNLIMITED PERFORMANCE

Sole ADVANCE



Parallel Generators:

Complete guide to parallel operation and our solutions

Discover everything you need to know about parallel operation of marine generators and the solutions we offer.

HOW DO MARINE GENERATORS OPERATE IN PARALLEL?

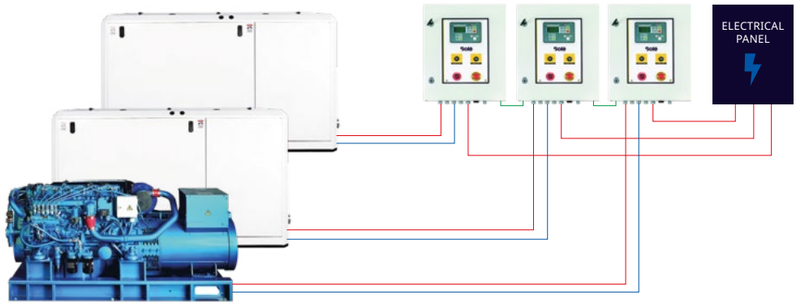
Running generators in parallel involves synchronising two or more units to the same frequency and voltage, allowing them to work together to supply a common power network.

This configuration makes it possible to generate a higher power output than what a single unit of similar characteristics could provide.

This setup ensures that there is always at least one main generator active and connected to the onboard network, which can be rotated periodically to evenly distribute running hours and schedule maintenance in a staggered way.

When the generator is equipped with parallel operation capabilities and the onboard power demand exceeds a predefined threshold, another generator is automatically instructed to start and connect, balancing the load evenly across all active units.

If the demand drops, the additional generators are automatically disconnected and shut down. This allows for maintenance tasks to be performed without interrupting the power supply, as the system bypasses inactive units.



BENEFITS OF PARALLEL OPERATION IN MARINE GENERATORS

01

ENERGY EFFICIENCY

Adaptability to load fluctuations with reduced fuel consumption, by activating or deactivating units as needed.

02

CONTINUITY AND SAFETY

Ability to perform maintenance without affecting the power supply, ensuring continuous energy even during servicing of the main unit.

03

ENHANCED RELIABILITY

The simultaneous operation of multiple generators prevents failures and ensures an uninterrupted power supply.

04

REDUCED MAINTENANCE

Reduced individual wear due to operating hours being distributed across multiple units.

Solé Solutions: Generators in Parallel

WHY SOLÉ ADVANCE PARALLEL GENERATOR SETS ARE THE BEST CHOICE

At Solé, we simplify the implementation of parallel systems with our Plug & Play approach. Thanks to dedicated controllers, we automate the process and optimise frequency and voltage, making installation easier and reducing overall costs.

GENERATORS WITH ELECTRONIC GOVERNOR FOR PARALLEL OPERATION

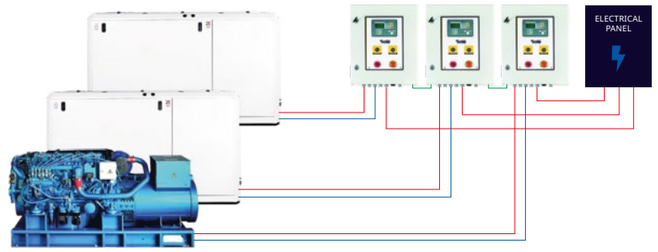
When your project requires a parallel system, Solé offers marine generators equipped with complete control and power kits, designed to synchronise multiple generators with each other. These systems enable coordinated and efficient operation of several generators, ensuring a stable and reliable power supply on board.

We also provide specific equipment for shore power synchronisation, enabling safe and precise integration with port electrical infrastructure. This ensures a smooth transition and continuous operation during harbour manoeuvres.

Our parallel operation solutions are available for both non-TAC generator models and TAC-certified units, allowing us to adapt to the requirements of every project.

CONTROL AND POWER KIT

FOR PARALLEL MARINE GENERATOR SETS



The IP65 Cabinet, together with the Solé Advance control panels, is designed to provide a complete control and protection solution for your generator sets. This system includes an electrical cabinet equipped with a power switch, responsible for connecting the generator to the onboard network safely and efficiently.

It also features an InteliGen 200 controller, which enables parallel operation management and facilitates both manual and automatic start/stop of the generator.

The controller offers multiple monitoring and control options to ensure accurate and efficient performance at all times.

The cabinet is fitted with all the necessary protection devices to guarantee user safety and equipment integrity, making it a reliable and robust solution to maintain optimal performance on board.

CONTROL PANELS

MAIN PANEL INTELIGEN 200

Main Panel for Parallel Operation Solutions (Non-TAC)

The InteliGen 200 Panel is the control and protection system designed for Solé Advance generator sets, with the capability to compare frequency and voltage across different units, enabling safe and reliable synchronisation and parallel connection. Its intuitive interface, organised into pages and screens, makes navigation simple and provides easy access to the generator's key data—setting a new standard in marine generator control.

This panel offers a comprehensive view of operating parameters thanks to its True RMS-based measurement system, delivering accurate data on voltage, currents, oil pressure, and more. It also displays calculated values such as generator power, statistical information, and a real-time alarm list, with all parameters conveniently grouped for efficient access.

DUAL PANEL KIT FOR INTELIGEN 200 + INTELILITE 4 AMF 25

For Parallel Operation (Non-TAC)

The InteliLite 4 AMF 25 offers extensive configuration options, allowing you to adapt the system to your specific needs with ease. It is the ideal solution for integrating a second control panel in parallel operation installations. Thanks to its seamless integration with Solé Advance marine generators, it enables simultaneous and independent control via the remote display and Master controller.

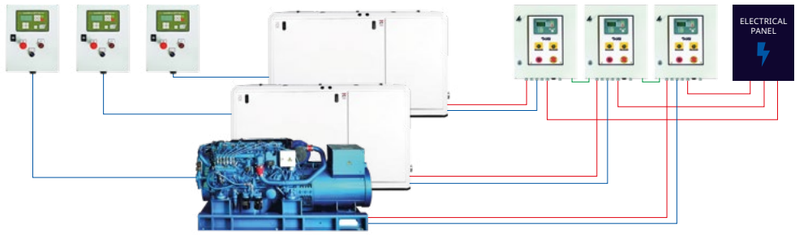
All measurement screens, setpoints, and historical logs display the same data as the main InteliGen 200 panel, while also allowing full remote interaction with the generator. The front panel buttons and LEDs operate identically on both controllers, ensuring an intuitive interface and a consistent user experience.

TAC CONTROL & GOVERNING KIT

PARALLEL OPERATION

UNIFIED POWER, GUARANTEED EFFICIENCY

Parallel configuration enables two or more generators to work together in synchronisation, maintaining constant frequency and voltage. This ensures a more powerful and reliable power supply, fully adapted to the actual onboard requirements.



KEY ADVANTAGES:

- **Fuel savings:** The system adjusts consumption according to demand.
- **Total reliability:** Multiple generators running simultaneously reduce the risk of failure.
- **Safety:** Power remains available even during maintenance operations.
- **Reduced wear:** Operating hours are distributed, extending the service life of each unit.

CONFIGURATION

TAC GENERATORS FOR PARALLEL OPERATION – PLUG & PLAY SOLUTION

Our integrated solution includes a cabinet with TAC control, monitoring, and synchronisation system, designed for quick installation and full operability in new parallel systems.

This system provides the necessary signals for the vessel's power elements to safely and reliably connect and disconnect the generators operating in parallel, ensuring continuous and uninterrupted operation.

EQUIPMENT

- Generator prepared for TAC parallel operation
- TAC engine control and monitoring system
- ECU
- Electronic governor
- Control wiring
- TAC regulation and synchronisation system
- Communication and control wiring
- Current transformers
- Electrical protections to ensure the safety of people and equipment

CONTROL PANELS

INTELIGEN 1000 MARINE + INTELIVISION 5.0 MARINE

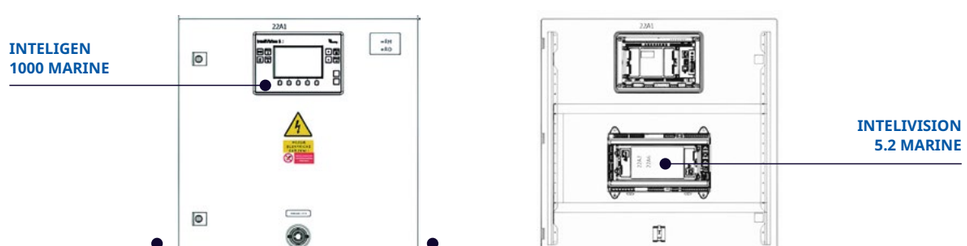
The InteliGen 1000 Marine is the controller that, together with the SCO 40 panel, enables synchronised parallel operation — a function that the SCO 40 alone cannot perform. It is an advanced unit designed to manage and optimise both AC and DC power systems on board vessels equipped with Solé Advance marine generator sets. This panel sets a new standard in the marine industry, allowing real-time control and monitoring of different power sources and ensuring their coordination according to each vessel's specific needs.

Thanks to its pre-programmed applications and compatibility with Modbus devices, the InteliGen 1000 Marine allows fast integration and easy start-up, making it simple to configure and operate onboard power systems.

With this solution, Solé Advance generators reach their full potential, providing precise, reliable, and marine-ready energy management.

TAC CONTROL CABINET

READY FOR PARALLEL OPERATION (MARINE CERTIFICATION)



INTERNAL COMPONENTS:

- 8-port Ethernet switch (Weidmüller)
- Additional accessories

Customise Your Marine Generator

At Solé Advance, we understand that every project has unique needs. That's why we offer a wide variety of electrical customisation kits that allow you to design and adapt the equipment to measure.

ADVANTAGES OF CUSTOMISING YOUR MARINE GENERATOR

- Adaptability: Customise your generator to meet the specific demands of your application—whether industrial, marine or residential.
- Enhanced safety: Our kits allow you to add functionalities that improve the operational safety of your equipment.
- Efficiency and performance: Optimise your generator's performance, improving energy efficiency and reducing equipment wear.

INNOVATION AND SUPPORT

We are committed not only to delivering high-quality products, but also to providing innovative solutions and comprehensive support.

Our team of experts is available to assist you every step of the way—from selecting the right kit to implementation and maintenance.

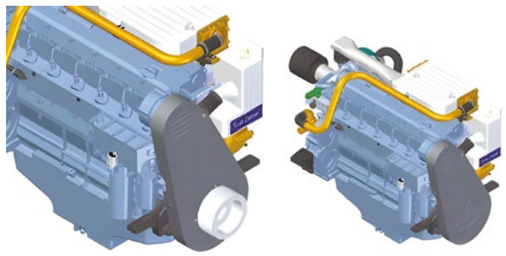
We want your experience with our generators to be as seamless and satisfying as possible.

INSTALLATION KITS TO CUSTOMISE MARINE GENERATORS

These kits are installed during the manufacturing process of the marine generator, a process we carry out entirely at our facilities in Barcelona. This way, we ensure that your generator meets all your specifications and operates optimally from day one.

DISCOVER SOME OF THE MOST REQUESTED CUSTOMISATION KITS

INSTALLATION KITS



BELT PROTECTION

Manufactured from sheet metal, this belt guard is designed to ensure safety and durability in demanding marine environments. It is fully compatible with PTO installations and complies with the strict requirements of international classification societies.

INSULATED GROUND KIT

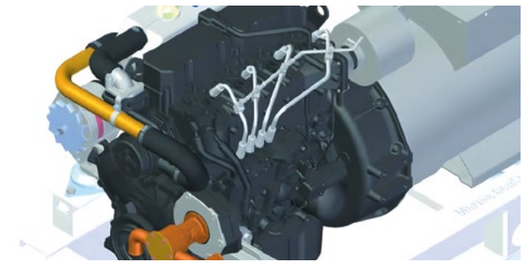
Designed to protect the engine and electrical systems on vessels with metallic hulls, this kit prevents galvanic corrosion and extends the service life of onboard equipment.

It includes alternator insulation, bipolar sensors, modification of the electrical system, and factory verification. An effective solution to ensure safety and long-term durability at sea.

IP65 CABINET KIT

The Solé Advance IP65 Cabinet Kit includes the generator control panel and an emergency stop switch, both integrated into a watertight cabinet specifically designed for safe installation in marine environments.

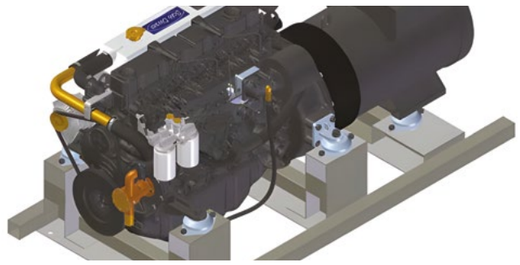
Its IP65 protection rating ensures excellent resistance to moisture and dust, while its layout allows for easy operation and reliable integration on board.



FUEL LEAK ALARM KIT

This kit is designed to provide extra safety by detecting potential high-pressure fuel leaks between the injection pump and the fuel pipes.

The system includes double-walled tubing and a leak detection transmitter, ensuring efficient and accurate monitoring.



INTERCHANGEABLE DUAL GAS-OIL FILTER KIT

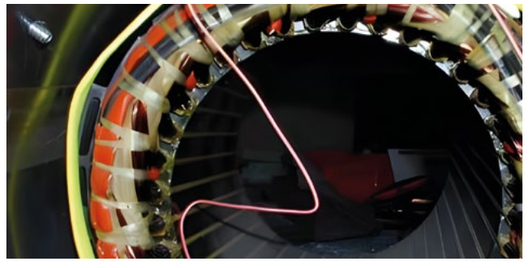
This system consists of two fuel filters and a three-position selector, allowing the replacement of the filters without the need to stop the engine. This functionality increases safety and ensures continuous operation, even during maintenance.

It complies with the strict requirements of international classification societies, ensuring reliable performance in accordance with the highest standards in the sector.

EXHAUST TEMPERATURE ALARM KIT

The ideal solution for adding extra safety to your engine. This system triggers an alert if the wet exhaust gas temperature exceeds the preset value for more than 5 seconds, allowing you to respond promptly and keep everything under control. This occurs when the engine stops receiving seawater.

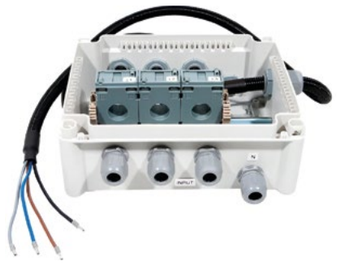
With this system, you'll navigate confidently, knowing that your engine's performance is always under control!



ANTI-CONDENSATION

This innovative kit is designed to eliminate condensation build-up inside the alternator after long periods of inactivity.
Its purpose is to prevent moisture-related electrical issues, such as short circuits, and to protect the alternator windings from serious damage during start-up.

The kit includes a heating resistor and the necessary wiring for easy and effective installation, ensuring the alternator operates correctly in all conditions.



CURRENT TRANSFORMER KIT

Allows real-time measurement of current (A) and power (kW) generated by the genset, with direct display on the SCO 11 and SCO 5 panels. It enhances alternator protection against overloads, short circuits, and phase imbalances. Its updated design, integrated into an electrical box, ensures a safer and more organised installation.

Available versions:

- For single-phase or three-phase generators
- Adapted to the alternator's output current

Professional Maintenance for Demanding Sailors

Commissioning and Maintenance

Comprehensive care and professional maintenance in every pack: everything your vessel needs for optimal, long-lasting performance — all in one place.

Find everything you need to start up, perform regular inspections, and keep your equipment in top condition. From oil and fuel filters to impellers, anodes, and fuses — not to mention all the essential fluids for your marine engine.

Explore our full range and discover how each accessory is designed to maximise your engine's performance and durability.

Genuine Spare Parts & Accessories

Experience the Solé Advance difference: Genuine Accessories for peak maritime performance.Ensure long-lasting efficiency and durability for your engine with our original spare parts and accessories.

Solē Advance Genuine Spare Parts, Accessories and Consumables

When you choose a Solé engine or generator, you're opting for top-tier quality and exclusive manufacturing.

To ensure long service life and optimal performance of your equipment – and to avoid any risks that could affect its operation or your safety – it is essential to always use Solé genuine spare parts. Not only do they enhance the durability of our products, but they are also required to maintain warranty conditions.

Contact your nearest Solé Advance distributor to purchase any spare parts or accessories you may need. Thanks to our global logistics network, we guarantee fast and efficient delivery.

Genuine Spare Parts for All Our Engines

Choosing a Solé Advance engine or generator means relying on a product of the highest quality, crafted with unique dedication. At Solé Advance, we ensure that every engine – both our current models and those from our early days in the marine sector – enjoys a long service life. That's why we offer spare parts for all our models, regardless of their age.

With Solé Advance, you can sail with confidence, knowing your engine will always be kept in top condition.

Genuine Lubricants and Fluids for Marine Engines

Keep your engine or generator in top condition with Solé's original consumables and fluids.

Our range includes engine oils, gearbox oils, and coolant–antifreeze fluids, each specifically formulated to protect and extend the service life of your equipment.

Solé engine oils ensure optimal lubrication, reducing wear and keeping the engine clean and efficient.

Our gearbox oils support smooth operation and prolong the durability of internal components.

Meanwhile, the coolant–antifreeze fluid protects your marine engine against extreme temperatures, preventing corrosion and overheating.

RECOMENDED ON BOARD PACKS

Comprehensive care and professional maintenance in every pack: everything your boat needs for optimal and long-lasting performance in one convenient package.

ON BOARD PACK

The Marine Engine Respect Pack is essential for carrying out basic engine maintenance on a boat, ensuring that you are prepared for any unforeseen eventuality during your trip. This pack includes the necessary parts to replace consumable items: oil filter, diesel filter, air filter, anode, belt and a saltwater pump overhaul kit (impeller and gasket).

WELCOME PACK

The Welcome Pack is an accessory pack that includes everything you need to make the first start of your Solé marine engine and a first maintenance of some of its consumable elements. This complete pack contains oil filter, diesel filter, salt water pump overhaul kit (impeller and gasket), belt, anode, fuse, air filter and all the necessary fluids to start the engine. It also includes three spray cans - primer, paint and dielectric protector - to keep the engine looking as good as new.

This pack is a must-have on board before any trip, allowing you to carry out basic maintenance and ensure that your boat's engine is always in top condition. Available in variants to suit all our marine engine ranges.

PACK SENSITIVE SPARE PARTS

This pack includes sensitive spare parts that are recommended to have on board in order to be able to solve the most common breakdowns. These are mainly electrical elements. Within this pack of sensitive spare parts we have the following elements: fuses, relays, glow plugs, thermostat, sensors and contacts, AVR and electrical shutdown.

MAINTENANCE PACKS

Our maintenance packs are organised by service hour intervals and contain all the spare parts required for each intervention. To ensure everything is available on board, the packs corresponding to each interval must be purchased.

PACK 50h

The 50 hours pack contains the elements to perform the first maintenance of engines and groups. This maintenance pack includes engine oil and engine oil filter. In this maintenance only the engine oil and engine oil filter change is performed.

PACK 250h

The pack includes all the components necessary for 250 hours maintenance of engines and generators. It contains engine oil, oil filter, turbine kit and anode. During this service, the engine oil is changed, the oil filter is changed, the salt water pump is serviced and the anode is replaced.

PACK 500h

The 500-hour maintenance pack includes the elements necessary to carry out maintenance on engines and generators. This service includes changing the engine oil and oil filter, maintenance of the salt water pump, replacement of the anode, replacement of the fuel and air filters, and valve adjustment.

Includes engine oil, oil filter, turbine kit, anode, fuel filter, air filter and balance cover gasket.

PACK 1000h

The 1000-Hour Maintenance Pack includes all the necessary components for servicing both engines and generator sets. It covers engine oil and oil filter replacement, raw water pump maintenance, anode replacement, fuel and air filters, valve adjustment, and the replacement of belts and nozzles. It also includes inspection of the injection pump and turbocharger.

The pack contains engine oil, oil filter, impeller kit, anode, fuel and air filters, rocker cover gasket, injector washer, nozzle, belts, and gaskets for the injection pump and turbocharger.

Solé Advance Warranty

We want you to enjoy your Solé Advance products with complete peace of mind. Everything that leaves our facilities is designed to withstand the toughest conditions. Wherever the sea takes you, we are here to provide the best warranty coverage and after-sales support

FULL WARRANTY

Solé ensures that each engine and generator set shipped meets the specifications and is free from manufacturing defects. Our full warranty takes effect from the initial sale, providing complete peace of mind. This protection is extended even if the delivery is not immediate, starting six months after the sale. Additionally, it is transferable, ensuring future buyers. At Solé, we keep our products in optimal condition, offering solid support at every stage.

COVERAGE PERIODS

Product	PLEASURE		COMMERCIAL	
	Months	*Hours*	*Months*	*Hours*
Propulsion	36	1000	12	2000
Generators	36	1000	12	2000

LIMITED WARRANTY

In addition to the Total Warranty, Solé provides an additional 24-month coverage period for the following engine components: Engine block, cylinder head, crankshaft, camshaft, flywheel housing, timing gear casing, timing gears, and connecting rod.

COVERAGE PERIODS

Product	PLEASURE		COMMERCIAL	
	Months	*Hours*	*Months*	*Hours*
Propulsion	24	1500	-	-
Generators	24	1500	-	-

WARRANTY EXTENSION

By choosing this additional service, you extend our Total Warranty, ensuring full coverage for your entire equipment. You decide the extension that best suits your needs—by years and/or hours.

With the Warranty Extension, we reaffirm our commitment to providing ongoing peace of mind throughout your product's service life.

At Solé, we continue working to offer you the best protection and support at every stage of your journey with us.

SOLÉ GLOBAL SERVICE WHEREVER YOU ARE

Solé offers global maintenance and technical support to keep your engine and generator in perfect condition With over 2,000 authorised sales and service points in more than 60 countries, expert assistance is always within reach. Our efficient logistics operation ensures fast spare parts delivery, so your vessel is always ready to set sail. From commissioning to scheduled maintenance, we're committed to supporting you—wherever you are.

GLOBAL PRESENCE 60+ COUNTRIES

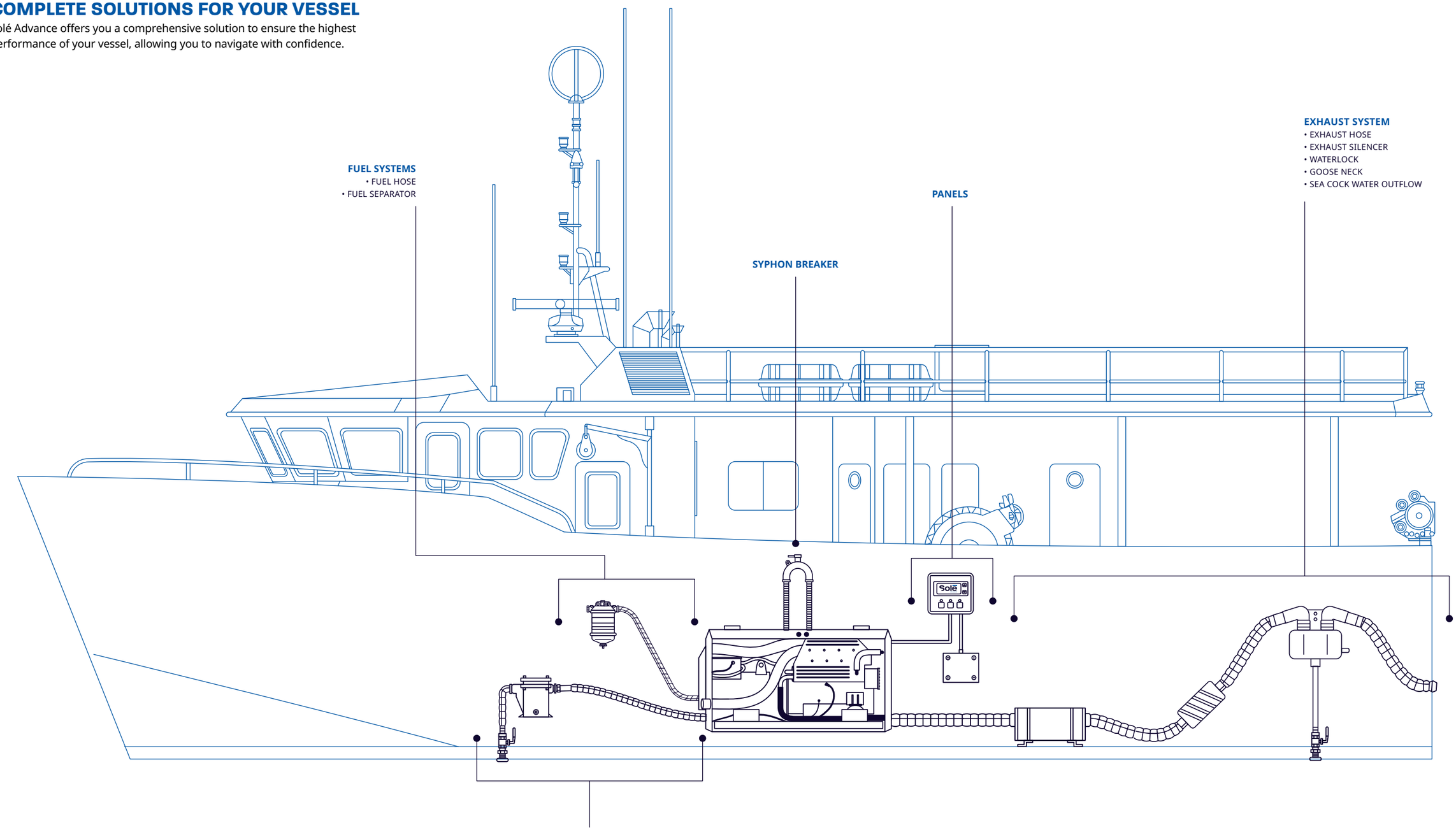
2,000+ SALES & SERVICE POINTS

EXPRESS SPARE PARTS SERVICE

GENERATOR SETS & THEIR SYSTEMS

COMPLETE SOLUTIONS FOR YOUR VESSEL

Solé Advance offers you a comprehensive solution to ensure the highest performance of your vessel, allowing you to navigate with confidence.



Commitment to innovation & excellence

We are driven by a passion to exceed expectations at every stage, from manufacturing to final product. Our commitment to innovation and excellence sets us apart, and the most rigorous certifiers stand behind our dedication.

CERTIFICATIONS

At Solé Advance, we take pride in meeting the most demanding certifications in the industry worldwide, which affirms our ability to tackle the growing challenges in quality, safety, environmental protection, and corporate social responsibility.

We rigorously comply with regulations and standards, reducing risks and improving performance, while promoting sustainable development in all our business activities. We collaborate with today's leading certification companies.

EFFICIENT SERVICE

Quick product delivery and fast, responsive customer support.

GUARANTEED QUALITY

Highly durable and tailor-made products, consistently meeting superior quality standards.

PROVEN EXPERTISE

Extensive technical knowledge of marine products, market requirements, and industry regulations.

CONSTANT INNOVATION

Continuously developing new products and technologies to stay ahead in a competitive marine market.

PROFESSIONAL TRAINING

Enhancing our team's professional and personal growth to ensure excellent customer support.

PERSONALIZED CUSTOMER CARE

Identifying your specific requirements and providing efficient, close technical and commercial assistance.

CONTINUOUS IMPROVEMENT

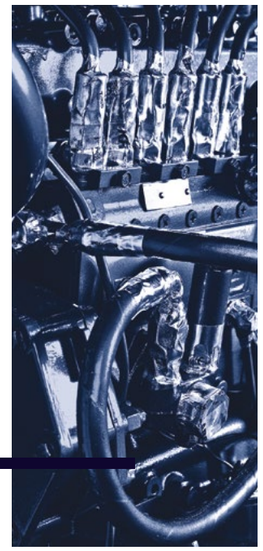
Committed to efficiency, safety, and sustainability through active team involvement and regular innovation.

ENVIRONMENTAL COMMITMENT

Optimizing resource use, reducing waste, and promoting alternative sustainable technologies.

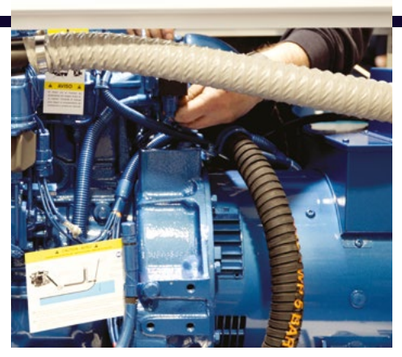
1912
More than a century of innovation

Founded in 1912 by Enrique Solé Jorba, Solé Advance, formerly known as Solé Diesel, has followed a path marked by innovation and adaptation. We began as a workshop for the construction and repair of carriages, and with time we expanded our activity to include car repairs and other services.



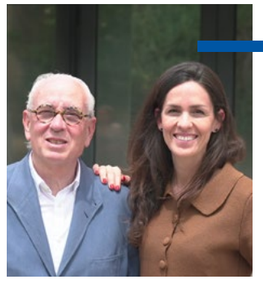
1949
Marine engine experts

Since 1949, we have specialised in the manufacture of Marine Engines, an approach that has positioned us as a benchmark in the re-engining of boats. Since then, we have collaborated with brands such as Lombardini, Mercedes Benz, Perkins and Mitsubishi, with whom we celebrate 40 years of partnership in 2018.



1970/1998
Innovation over time

Milestones such as the launch of the MINI series in 1970 and in particular the iconic MINI-17 model, the production of generating sets since 1998 and the renovation of our workshop in 2020 reinforce our commitment to quality.



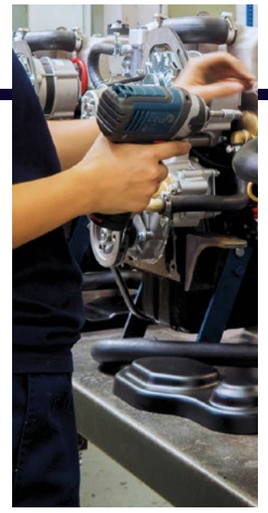
1992
Generational Transition & Leadership

Under the management of Enrique Solé Matas since 1992, and with the arrival of the fourth generation led by Marieli Solé in 2014, we continue to expand globally, now present in over 60 countries.

2006
Commitment to Quality

Solé Advance achieved ISO 9001 certification, a recognition of our commitment to quality and excellence in all our processes.

CERTIFIED
ISO 9001
BUREAU VERITAS



2016
Shaping Future Nautical Leaders

In 2016 we launched the SDAMEP, a training and employment program in collaboration with the University of Barcelona and local nautical schools, which has made Solé a benchmark in training and employment of future professionals in the sector.

2021
Expansion & certification

In 2021, we created Solé Iberia and obtained DNV Type Approval Certification, ensuring maximum performance and safety in our Generator Sets.

TYPE APPROVED PRODUCT
DNV
DNV.COM/AF

2024
New horizons

In 2024, we introduced Solé Advance, marking a new stage in our history.

Solē
ADVANCE