



Pacific II Power Products

PPR-PA-DO-EN-31

50Hz 60Hz

900kVA - 2200kVA

1200kWe - 2000kWe



Energy Solutions Provider

AN ENERGY SOLUTION

SDMO is renowned as one of the top designers and manufacturers of generating sets worldwide. SDMO's single-industry strategy enables it to offer the largest range on the market conforming to the most stringent standards. Its ranges of products and services undergo continuous improvement, allowing them to meet even the most exacting energy requirements.

By relying on the proximity of its distribution network, SDMO can offer electricity solutions for all, anytime and anywhere.

In addition to its role as an industrial manufacturer of generating sets, SDMO is now positioning itself as a serious energy supplier.

Energy Solutions Provider



NATIONAL COVERAGE, AN INTERNATIONAL PRESENCE, THINK GLOBAL, ACT LOCAL.

In order for SDMO to continue to grow and expand into new markets, it relies on:

- a distribution network present in over 150 countries,
- 7 overseas subsidiaries,
- 5 offices,
- 7 sales offices and 3 regional divisions in France.

The responsiveness of the company is based on its development of 5 storage platforms which, in co-operation with the subsidiaries, constitute an efficient commercial network.

The links forged with the Kohler group have strengthened SDMO's standing amongst its customers through a strategy of synergistic installations.

SDMO EXPERTISE BENEFITING THE POWER PRODUCTS RANGE

The Power Products standard range of products covers energy requirements from 5 to 3300 kVA, at 50 and 60 Hz, and benefits from all of SDMO's generating set expertise and market knowledge using specialist teams and cutting edge equipment.

RESEARCH AND DEVELOPMENT

DESIGN OFFICE

A team of experts dedicated to designing generating sets.

The teams from the standard design office are constantly being updated on new 3D modelling tools and tools for calculating structures and constraints.

LABORATORY

Cutting-edge techniques promoting innovation.

Backed by its expertise in the energy sector, the SDMO laboratory tests, analyses and suggests adapted solutions to remain at the cutting edge of innovation. It has gained ISO 17 025 accreditation.



PRODUCTION TOOLS

ULTRA-MODERN FACTORY

Covering more than 38,000 m², the premises offers high-performance operational tools.

PRODUCTION TOOLS

The teams of specialists in this department ensure careful monitoring of product assembly.



POWER PRODUCTS

from 900 to 2200 kVA

PACIFIC range

Mitsubishi engine

PRODUCT
PLUS POINTS

Generating sets in the PACIFIC range

feature a winning combination: robust design and ease of use.



T1100



T1650C

Specifications 50 Hz 400-230 V					Specifications 60 Hz 480-277 V				General specifications					
GENERATING SETS ⁽¹⁾		kVA Cos φ 0.8		Cons 3/4 L/h	GENE- RATING SETS ⁽¹⁾	kWe ISO 8528 ⁽²⁾		Cons 3/4 L/h	Engine			Alternator	Open version ⁽⁴⁾	
VOC ⁽⁵⁾	VOE ⁽⁶⁾	PRP ⁽⁷⁾	ESP ⁽⁸⁾			PRP ⁽⁷⁾	ESP ⁽⁸⁾		Engine type	cyl	cc(L)		Dimensions l x w x h (m) 50 Hz / 60 Hz	Poids ⁽⁹⁾ (kg)
T900	-	818	900	131	-	-	-	-	S12A2-PTA	12V	33,93	49.1 L9A	4,02 x1,72x2,15	6073
T1100	-	1000	1100	165	-	-	-	-	S12H-PTA	12V	37,11	49.1 L11	4,20x1,94x2,34	7641
T1400	-	1276	1403	208	T1200U	1091	1200	229	S12R-PTA	12V	49,03	50.2 L7	4,33x2,00x2,37	9781
T1540	-	1400	1540	218	T1350U	1228	1350	250	S12R-PTA2	12V	49,03	50.2 L8	4,42x2,00x2,37	10147
-	T1650C	1500	1650	240	-	-	-	-	S12R-F1PTAW2	12V	49,03	50.2 L8	5,09x2,20x2,51	12153
T1900	-	1727	1900	266	T1600U	1455	1600	294	S16R-PTA	16V	65,37	51.2 S55	5,50x2,29x2,48/ 5,43x2,29x2,48	12891
T2100	-	1909	2100	304	-	-	-	-	S16R-PTA2	16V	65,37	51.2 M60	5,60x2,29x2,48	13314
-	-	-	-	-	T1800U	1636	1800	346	S16R-PTA2	16V	65,37	51.2 S55	5,50x2,29x2,48	12991
T2200	-	2000	2200	307	T2000U	1818	2000	357	S16R-PTAA2	16V	65,37	51.2 M60	5,50x2,29x2,58	14371
-	T2200C	2000	2200	310	-	-	-	-	S16R-F1PTAW2	16V	65,37	51.2 M60	5,08x1,85x2,40	12471

(1) Also available in the following voltages: 415/240 V - 380/220 V - 240/120 V - 220/110 V

(2) Also available in the following voltages: 440/254 V

(3) ISO 8528: outputs specified in compliance with the legislation in force

(4) The dimensions and weights apply to a generating set specified in the price list, without options

(5) VOC: consumption optimisation variant

(6) VOE: emissions optimisation variant

(7) PRP: main power available continuously with variable load for an unlimited time in accordance with ISO 8528-1

(8) ESP: emergency standby power available for supplying emergency power in variable load applications in accordance with ISO 8528-1, no overload available for this service.

(9) Dry weight - without fuel

POWER PRODUCTS

OPTION DETAILS



Standard and options

ENGINE	4 stroke water-cooled diesel engine	•
	Electronic control 5	•
	Standard air filter	•
	Air filter with interchangeable cartridge	EN02 ⁽¹⁾
	220/240 V preheating resistance (no control)	EN20
ALTERNATOR	IP 23 single bearing alternator, T° class =H, insulation class H/H	•
	Anti-condensation resistor	AL01
	Reinforced insulation and finish	AL06
	Synchronising CT coupling + 3-function regulator	O ⁽²⁾
	Oversized alternator	AO001B
GENERATING SET	CE compliance of the control unit	•
	Mechanically welded base frame with antivibration dampers	•
LEVELS	Automatic oil make up with tank	EN18
	Oil drainage pump 4	•
COOLING	Protective grille for fan and rotating parts 1	•
EXHAUST	Stainless steel compensators	•
	9 dB(A) silencer supplied separately	EN07
	29 dB(A) silencer supplied separately	EN08
	40 dB(A) silencer supplied separately	EN09
STARTING	24 V charging alternator and starter motor	•
	Batteries with cables and battery support bracket	SO001
	No battery and battery support bracket	•
	Battery isolating switch 2	EN16
FUEL	Generating set without fuel tank	•
	Separate fuel tank on 500 L container	FD06
	Separate fuel tank on 1000 L container	FD07
	Retention container level alarm	FD14
	1m3/h pump auto kit 1 3	FD08
	1 m3/h pump auto kit 2	FD09
	Diesel separator pre-filter	FD05

(1) Contact us
(2) Synchronising CT coupling not required
for MICS KERY'S

• As standard
o Several possible options - please contact us
EN01 Option code

More about options



Diesel separator pre-filter

(FD05)

This is a pre-filter enabling water contained in the diesel to be removed, thereby improving the engine's protection.

Filter with interchangeable cartridge

(EN02)

Dry air filters with removable and interchangeable cartridges for dusty environments which can be removed and cleaned with blown air, if required. This option is required when the generating set is used in dusty environments.



Oversized alternator

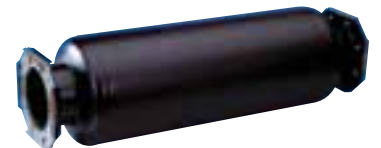
(AO001B)

For installations with significant electrical constraints, this option ensures improved performance.

Silencer on open version

(EN07, EN08, EN09)

For "open" version generating sets, a choice of 3 noise reduction levels is available (9 dB(A), 29 dB(A), 40 dB(A)), to meet the constraints of various installations.



Automatic oil make up with tank

(EN18)

Automatic oil make up system enabling a constant oil level to be maintained in the crankcase during operation. This system comprises a new oil reserve, an oil level regulator and a hose and valve assembly mounted on the generating set's base frame.

POWER PRODUCTS

X'PRESS range

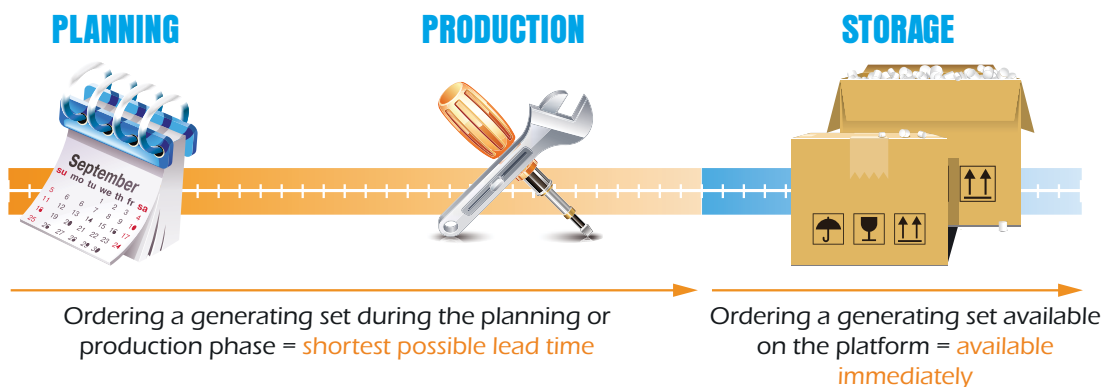
+PRODUCT PLUS POINTS

Order directly by mail

You can place your order directly by mail using the form attached to the stock list sent each week. Cut out the middle man: your order is registered and shipped in the quickest possible time.

Standard gensets available in stock

Four 50 Hz references from 1400 to 1900 kVA in the Power Products range are stocked worldwide for quick delivery. These generating sets are available in open version. Aftermarket options are available to order (silencers, differential protection, normal/emergency switches, Service First, etc.)



50 Hz configuration available

	T1400	T1540	T1650	T1900
4-pole circuit breaker	2000 A	2500 A	2500 A	3200 A
Control unit	TELYS	TELYS	TELYS	TELYS
Card for measurement	●	●	●	●
Battery charger	●	●	●	●
Engine preheating	●	●	●	●
Prewiring for auto start-up	●	●	●	●
CE Label	●	●	●	●
Hose	●	●	●	●
Multilingual doc	●	●	●	●
Silencer	●	●	●	●

● Included

POWER PRODUCTS

CONTENERGY

SDMO offers a range of soundproofed containers with a wide range of options

Thanks to their standard dimensions, CONTENERGY containers are easy to transport and, once on site, to install. Highly economical thanks to its cooling system, integrated sound traps and silencers, the CONTENERGY concept is completely self-contained, with a fuel capacity which enables it to operate immediately, without connection to an additional tank. You may have multiple installation constraints - that's why our containers are designed to withstand harsh climate conditions.

CONTENERGY ISO

The dimensions of CONTENERGY ISO containers comply with CSC certification. They have been specially designed to withstand significant loads and pressures during transport without incurring damage, and can be shipped without any special constraints.

- A unique air flow crossing the container from one end to the other is used to disperse radiated engine emissions and for the cooling system.
- The space available in the ISO 40 can be used to install other equipment
- Available in 20- and 40-foot High Cube version.

CONTENERGY CIR

CIR containers are specially designed with mobile and rental applications in mind.

- This highly compact model has a very low sound level and features an optional high volume tank, giving it up to 10 hours of autonomy.
- Its design allows easy access to the control/command functions (remote MMI) and the power connections.
- Available in 20-foot High Cube and Dry versions.

+ PRODUCT PLUS POINTS

- compact equipment
- easily transportable (ISO corners and forklift pockets)
- turnkey equipment, factory-tested and validated operation
- quick installation and easy commissioning
- easy extension of your power installation



ISO20 (Silent)



CIR20 SSI (Super Silent)

ISO40 (Silent)

POWER PRODUCTS

CONTENERGY

Standard and options

		SILENT		SUPER SILENT
		ISO20 SI	ISO40 SI	CIR20 SSI
BASIC	Complies with CSC certification	●	●	X
	Base member	●	●	●
	Starter motor, charging alternator	●	●	●
	Batteries filled with electrolyte	SO001	SO001	SO001
	Standard air filter	●	●	●
	Oil drainage pump	●	●	●
CONTAINER SPECIFICATIONS	High performance integrated 30 dB(A) silencer	●	●	●
	Floor	Steel sheet	Steel sheet	Steel sheet
	Number of doors	2	2	3
	Galvanised air outlet rain grille	CT005	CT005	●
	Safety lighting and shut-off valve	CT007	CT007	CT007
	Exhaust outlet on bracket	CT011	CT011	CT011
	RAL 9010 white painted finish for container	●	●	●
	Special colour from list	CT016	CT016	X
	Power cable outlet on lower section	CT015	CT015	CT015
	Retention container under genset assembly	●	●	●
FUEL	500 L base frame fuel tank	●	X	●
	500 L fuel tank on retention container	X	●	X
	1500 L base frame fuel tank	CT019	X	X
	2000 L fuel tank on container	X	X	CT017
	1m³/h pump auto kit 1	CT008	CT008	CT008
	1 m³/h pump auto kit 2	X	CT009	X
	4 m³/h pump auto kit 2	X	CT010	X
CONTROL UNITS	CE compliance of the control unit	●	●	●
	TELYS central console	CM40	CM40	CM40
	KERYS control unit	CA600	CA600	CA600
DIMENSIONS	Length (mm)	6058	12192	6058
	Width (mm)	2438	2438	2438
	Height (mm)	2896	2896	2590 DRY version 2896 High Cube version

● Standard

X Not available

EN01 Option code

Silent and Super Silent versions

	SILENT		SUPER SILENT
	ISO20 SI	ISO40 SI	CIR20 SSI
T1100	79-82 dB(A) @ 1 m	X	X
T1200U-T1540	79-82 dB(A) @ 1 m	X	77-79 dB(A) @ 1 m
T1650C	85-87 dB(A) @ 1 m	X	X
T1900-T2100	X	85-87 dB(A) @ 1 m	X
T1600U-T2200C	X	79-82 dB(A) @ 1 m	X

POWER PRODUCTS

ENCLOSURE

If you wish to soundproof a generating set while keeping the size to a minimum, you should choose the M427 enclosure. This will enable you to mount the assembly inside a 40-foot High Cube container to facilitate transportation.

Generating set type	Specifications 50 Hz				
	dB(A) @ 1 m	dB(A) @ 7 m	Weight (kg)	Dimensions lxxw (m)	Fuel tank (L)
T900	85	76	8653	6,40x2,17x2,72	930



POWER PRODUCTS

Control units

M80, TELYS, KERYS: exclusive to SDMO

SDMO offers a unique range of specific control units: M80, TELYS and KERYS. These control units offer a wide range of possibilities, from simplified running to the option of managing the most complex coupling operations, and can be adapted to suit every need. This modularity is made even easier by the fact that each optional peripheral device (air cooler, daily service tank, oil make up, etc.) has its own protection.

For power plants, separate control boxes may be used in place of the control units: please do not hesitate to contact us.

Comparison of the 3 control units

SPECIFICATIONS	M80	TELYS	KERYS
DISPLAY			
Frequency	X	•	•
Phase to neutral voltages	X	•	•
Phase to phase voltages	X	•	•
Currents	X	•	•
Active/reactive/apparent power	X	•	•
Power factor	X	•	•
Battery voltage	X	•	•
Battery current	X	O	X
Start-up delay	X	•	•
Fuel level	X	•	X
Oil pressure	•	•	•
Coolant temperature	•	•	•
Oil temperature	X	O	O
Total working hours counter	•	•	•
Partial working hours counter	X	•	•
Total active/reactive energy meter	X	•	•
Genset speed	•	•	•
FAULT INFORMATION (fault or alarm)			
Min/max alternator voltage	X	•	•
Min/max alternator frequency	X	•	•
Min/max battery voltage	X	•	•
Overload and/or short circuit	X	•	•
Active/reactive power return	X	•	•
Oil pressure	X	•	•
Coolant temperature	X	•	•
Overspeed	X	•	•
Underspeed	X	•	•
Low fuel level	X	•	•
Emergency stop fault	X	•	•
Non-starting fault	X	•	•
Charging alternator fault	X	•	•
Differential relay activation fault or alarm	X	O	O
General alarm	X	•	•
General fault	X	•	•
Sound alarm	X	•	O

SPECIFICATIONS	M80	TELYS	KERYS
OPERATION			
Manual genset starting	X	•	•
Automatic genset starting	X	•	•
Genset shut down	X	•	•
Emergency stop	•	•	•
Remote starting control	X	O	X
Navigation in colour touch-screen menu	X	X	•
Navigation in menu using wheel	X	•	X
Speed adjustment	X	O	•
Voltage adjustment	X	O	•
Delayed start programming	X	•	•
Multilingual using pictograms	X	•	X
Multilingual text	X	•	•
CONNECTIVITY			
Ethernet port (website)	X	•	•
RS485 (JBUS protocol)	X	•	•
Engine CAN Bus (J1939)	X	•	•
COUPLING			
Under Load	X	X	•
Shut down	X	X	•
Parallel line distribution of active and reactive power	X	X	•
CAN Bus distribution of active/reactive power	X	X	•
Power plant wattmeter control	X	X	•
Temporary coupling of Out/Return grid	X	X	•
Power plant coupling to grid (temporary, permanent, etc.)	X	X	•
GENERAL			
Downloading of a customised configuration via USB port	X	•	X

• As standard
X Not available
O Options

The M80 is a dual-function control unit

It can be used as a basic terminal block for connecting a control box and as an instrument panel with a direct read facility, with displays giving a global view of your generating set's basic parameters.



Additional specifications

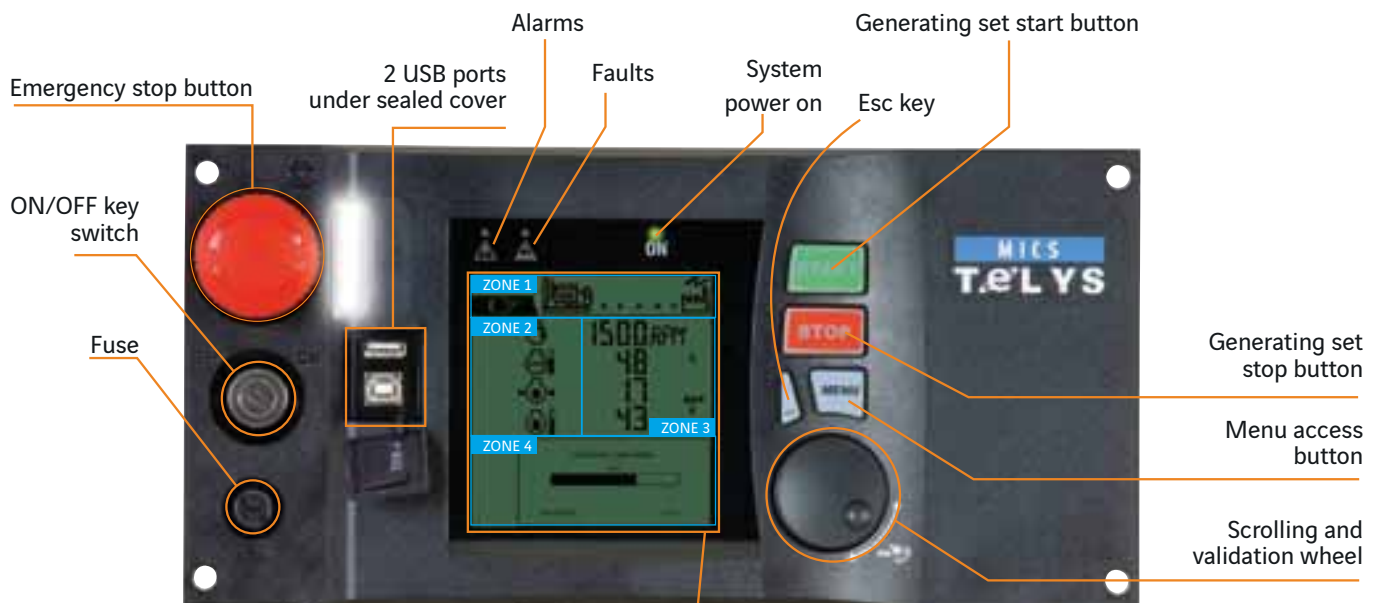
		TERMINAL BLOCK	M80
MEASUREMENTS	Tachometer (54 mm)	X	•
	Oil pressure gauge	X	•
ENGINE PARAMETERS	Coolant temperature	X	•
	Oil temperature indicator	X	O
CONTROLS	Emergency stop	•	•
MISCELLANEOUS	CE compliance	•	•
	Customer connection terminal block	•	•

Adaptation:

Power Products generating set control units are designed directly by SDMO and therefore their performance is always subject to ongoing improvement.

TELYS, ergonomic and intuitive

As SDMO's flagship product, the TELYS integrates new options. It is even more straightforward, with the emphasis on communication (USB connections, PC connections, control software and remote operation).



Display screen composed of 4 zones:

ZONE 1: Operation mode (auto/manual/GS flow, etc.)

ZONE 2: Function display with pictograms

ZONE 3: Display of mechanical and electrical values and the associated measurements

ZONE 4: Parameters menu and operation messages

Its design has reduced the number of buttons to offer you simplicity when operating your generating set. It also offers new functions:

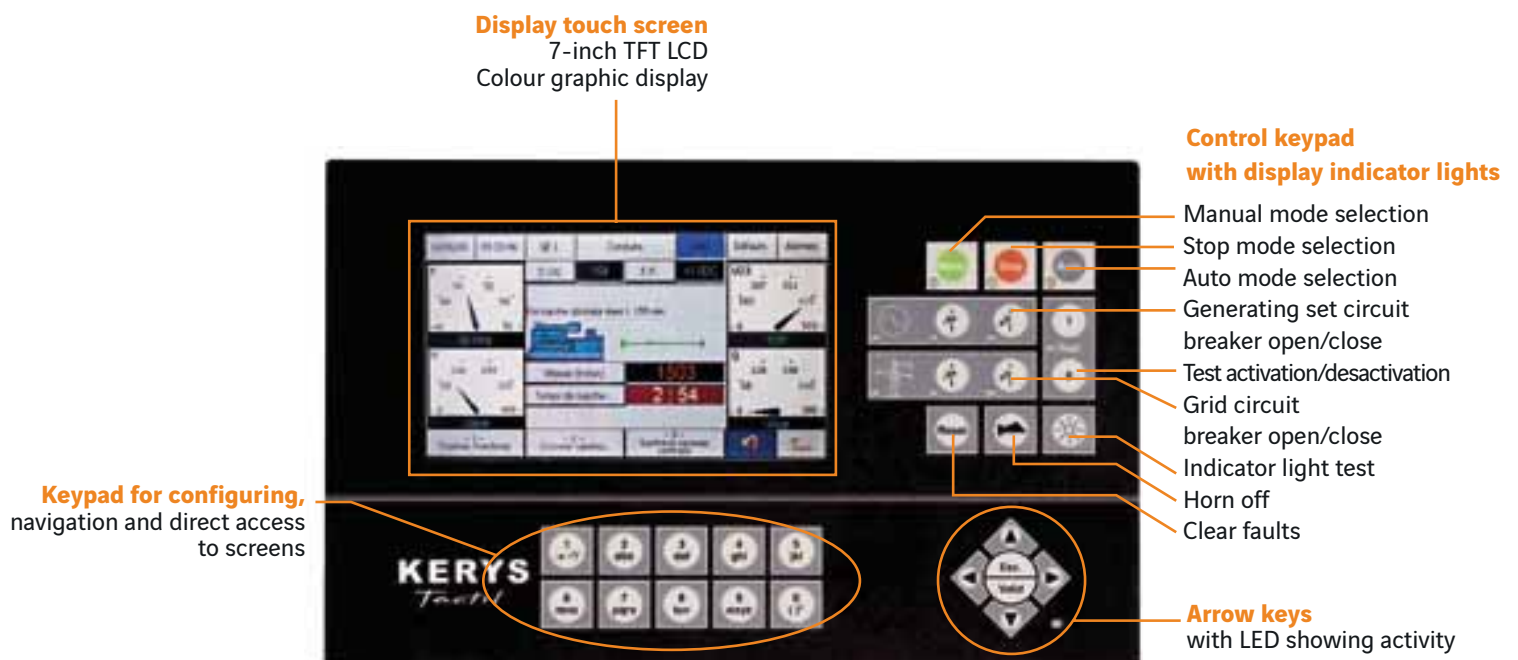
- Integrated maintenance monitoring (screen display of planned maintenance procedures)
- Integrated diagnostic tool to guide the user when alarms or faults appear
- Viewing and remote control functions with option to send an e-mail, text message or fax in the event of an alarm or a fault ⁽¹⁾

- Screen with contrast which adjusts to all types of light
- Tropicalisation of the electronic board to withstand conditions of extreme humidity
- Compliance with numerous legal and regulatory requirements (EC)

(1) Option

KERYS, coupling and adaptability

The KERYS touch screen is a user-friendly, easy to grasp tool, offering a wide range of functions. It is fitted as standard to all generating sets designed for coupling applications, and can be fitted as an option, from 200 kVA, to the rest of our applications. So that all the requirements of high and low voltage power plants can be met, the KERYS touch screen can be built into the console, fitted directly onto the generating set or on a separate cabinet



Additional specifications

Measurements

Power factor in the different screens
Active and reactive power
Synchronism (difference in phase, voltage and frequency)
Harmonics in voltage and current

Safety features

Overload, short circuit
Phase current direction
Neutral current
Reverse component
Voltage reserve
Thermal image
Presence and absence of voltage
Maximum active power
Active and reactive power return
Homo-polar current and homo-polar current direction
Restricted earth and homo-polar voltage
Vector jump, min Z and df/dt

Synchronisation

Automatic and manual
Frequency, voltage and phase equalisation

Control

Speed and voltage
Switching frequency and voltage set values
Adjusting frequency and voltage set values
Adjusting active and reactive power set values
Active and reactive power surge keyway
Active and reactive power distribution
Active and reactive power return setting
Power factor setting
Manual control of speed and voltage regulations

Communication

In local mode or remote mode
Built-in web server:
Via RS485 connection
Via Ethernet (in local mode) and Internet (in remote mode)

Plus points integrated as standard

Fault finding aid
Assistance and maintenance (history, sending of e-mails...)
Mechanical and electrical parameter archives and curves
Addition of supplementary software without external tool

Configurations

A612: Generating set without grid
A622: Generating set with normal/emergency switch and grid without coupling
A633: Production plant without grid
A641: Generating set with permanent coupling to grid without normal/emergency switch - Grid coupling + resale
A642: Generating set with permanent coupling to grid without normal/emergency switch - Grid coupling + power level 0 kW on the grid
A651: Generating set with temporary coupling to grid and normal/emergency switch
A661: Generating set with permanent coupling to grid and normal/emergency switch

POWER PRODUCTS

Power modules

AIPR

Each generating set may be supplied with a protection unit.

This unit is mounted on the chassis with connection cables to the alternator.

It is located on the right-hand side of the generating set. This AIPR function is also adapted for containers.



1 connection unit without air cooler unit

2 connection unit with air cooler unit with integrated air cooler unit on the lower section if necessary (standard connection by the bottom and optional at the top)

AIPR 1		
With manual control on the front		
3-pole open circuit breaker		O
4-pole open circuit breaker		O
Motorised control option ⁽¹⁾		
With 3 or 4-pole open circuit breaker only		O
Voltage 208-600 V		●
Auxiliary unit option ⁽²⁾		O
Large range power connection bus bars		● ⁽³⁾
Remote control terminal block		●
Protection index		IP20
Dimensions (without air cooler unit)	height (mm)	1260
	width (mm)	683
	depth (mm)	365
Dimensions (with air cooler unit)	height (mm)	1664
	width (mm)	683
	depth (mm)	365
Dimensions (unit with connection from above)	height (mm)	1883
	width (mm)	683
	depth (mm)	365

⁽¹⁾ The motorised control includes: a closing electromagnet, a shunt trip coil and an AC motor

⁽²⁾ The auxiliary option unit is mounted above the main unit. It is used for the power connections of generating set auxiliaries, e.g. air cooler/fan output.

⁽³⁾ Standard at the bottom and optional at the top.

● Standard

O Option

POWER PRODUCTS

INS (Normal/emergency switch)

NORMAL/EMERGENCY SWITCHING

SDMO offers a complete range of separate Normal/Emergency switches. There are a large number of benefits to our technology, both in terms of cost and of ease of installation.

The design of the control units and boxes enables even cables with large cross sections to be easily connected. The front panel of the unit no longer opens on just one side, like a conventional control unit, but on three sides, allowing total access to all the connections for the power equipment and terminal blocks. All our control units are either three-pole or four-pole.

		800A	1000A	1600A	2000A ⁽¹⁾	2500A ⁽¹⁾	3150A ⁽¹⁾
Voltage	208-440V	•	•	•	•	•	•
Changeover	By changeover switches	•	•	•	•	•	•
	Heights (mm)	1000	1000	1000	1800 ⁽²⁾	1800 ⁽²⁾	1800 ⁽²⁾
Dimensions	Width (mm)	800	800	800	1000	1000	1000
	Depth (mm)	500	500	500	800	800	800

(1) Integrated into a floor-mounted control box

(2) On a base plate h=200 mm, i.e. control box of height 1600 + 200

From 800 A to 3150 A, the SDMO Normal/Emergency switch is perfectly suited to industrial applications where the transfer of a main source to a replacement source is crucial for the running of your installations.

Specifications

The screen enable display of the voltage on the grid side and the generating set side. The same applies to the frequency. The LEDs provide instantaneous information on the position status of both of the two sources, along with any alarms and faults which arise. The Normal/Emergency switch also offers 3 configurable inputs and 2 outputs, as an option.

A wire connection on all SDMO control/command modules enables remote starting using a dry contact.

	Normal/Emergency switch	
Ratings	800 A-1000 A-1600 A	2000 A-2500 A-3150 A
Type	Three phase	
Nominal voltage/frequency	127 / 230 V / 50-60 Hz 230 / 400 V / 50-60 Hz	
Configuration	Auto-configuration of voltage/frequency min/max and configurable thresholds	
Display and setting	By LCD - Supplied with manually-operated key - Can be padlocked in manual mode.	
Voltage drop tolerated	30% of the nominal voltage @400V	
Protects against a change in the phase rotation direction	0	
Lightning arrester	0	
EJP pack (for France only)	0	
Confirmation of mains return	0	
Protection index	IP30	
Inputs/outputs	3 configurable report inputs/2 configurable report outputs	
Dimensions (l x w x h) in mm	1000x800x500	1800x1000x800

0 Option

French Sites

WEST

SDMO BREST

TEL. 02 98 41 13 48
FAX 02 98 41 13 57

CENTRAL WEST

SDMO CHOLET

TEL. 02 41 75 96 70
FAX 02 41 75 96 71

PARIS/NORTHERN NORMANDY

SDMO GENNEVILLIERS

TEL. 01 41 88 38 00
FAX 01 41 88 38 37

EAST

SDMO METZ

TEL. 03 87 37 88 50
FAX 03 87 37 88 59

SOUTH EAST

SDMO VALENCE

TEL. 04 75 81 31 00
FAX 04 75 81 31 10

SDMO AIX

TEL. 04 42 52 51 60
FAX 04 42 52 51 61

SOUTH WEST

SDMO TOULOUSE

TEL. 05 61 24 75 75
FAX 05 61 24 75 79

Subsidiaries

GERMANY

SDMO GMBH

TEL. +49 (0) 63 32 97 15 0
FAX. +49 (0) 63 32 97 15 11

BELGIUM

SDMO NV/SA

TEL. +32 36 46 04 15
FAX +32 36 46 06 25

SPAIN

SDMO INDUSTRIES IBERICA

TEL. +34 (9) 35 86 34 00
FAX +34 (9) 35 80 31 36

UK

SDMO ENERGY LTD

TEL. +44 (0) 1932 345 777
FAX +44 (0) 1932 350 033

NIGERIA

SDMO LAGOS

TEL. +234 (0) 80 56 66 64 44
FAX +33 (0) 1 72 27 55 62

LATIN AMERICA

& CARIBBEAN

SDMO GENERATING SETS

TEL. +1 30 58 63 00 12
FAX +1 30 58 63 97 81

BRAZIL

SDMO MAQUIGERAL

TEL. +55 (11) 37 89 60 00

Offices

SOUTH AFRICA

SDMO JOHANNESBURG

TEL. +27 (0) 8 32 33 55 61
FAX +33 (0) 1 72 27 61 51

ALGERIA

SDMO ALGER

TEL. +213 (0) 21 68 12 12
FAX +213 21 68 14 14

DUBAI

SDMO MIDDLE EAST

TEL. +971 4 458 70 20
FAX +971 4 458 69 85

EGYPT

SDMO CAIRO

TEL. + 202 24 19 58 66
FAX + 202 24 19 57 31

RUSSIA

SDMO MOSCOW

TEL. +7 495 665 16 98
FAX +33 (0) 1 72 27 55 48

