

The logo for SDMO, featuring a stylized 'S' inside a square frame followed by the letters 'SDMO' and a registered trademark symbol.

SDMO[®]

POWER PRODUCTS

50Hz
7,5kVA - 550kVA

ENGLISH

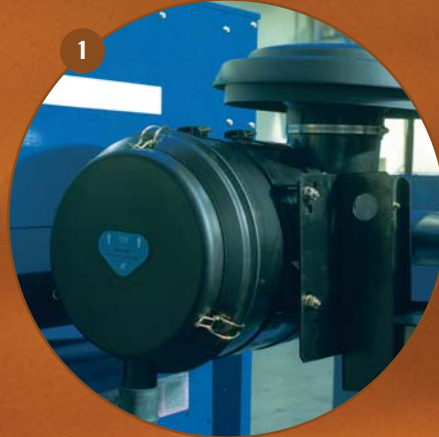
PPR50/GB-2004/1



**Global Power
Solution[™]**

POWER PRODUCTS

50Hz

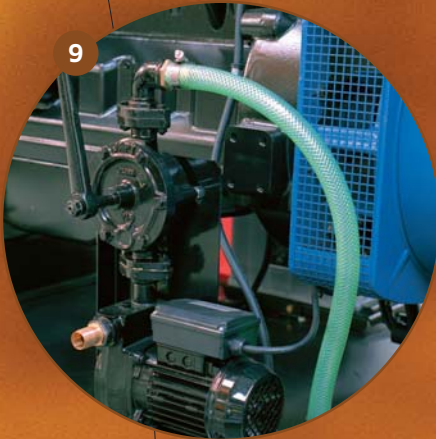


Air-filter with replacable cartridge

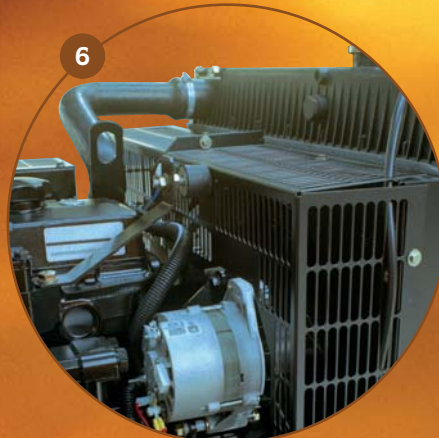


(delivered loose)

9 dB (A) residential silencer and flexible



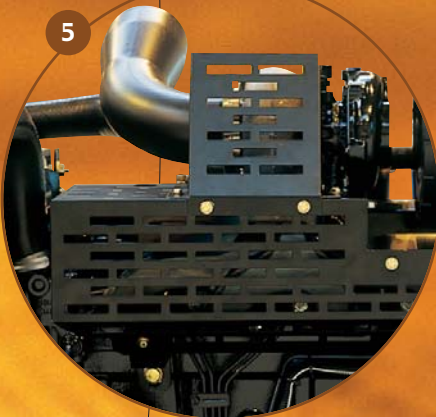
Automatic fuel fill kit for frame tank



Protection mesh for fan and revolving parts



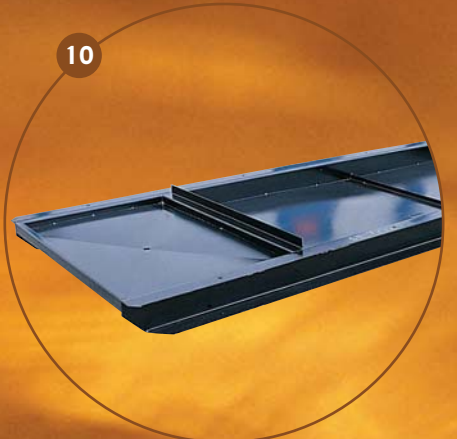
Silencer 29 dB (A) supplied separately



Heat hand protection



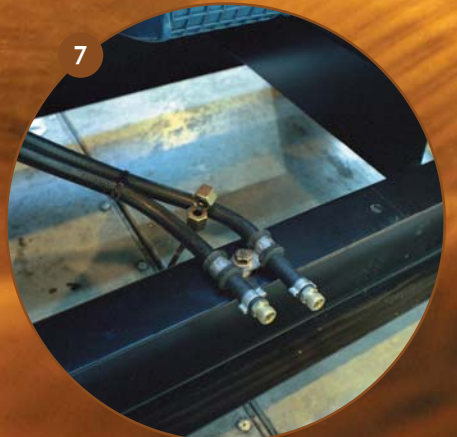
W separator fuel prefilter



Retention bund on DT



Technical documentation level B



Fuel inlet/return connections (no tank)

optional equipment

EQUIPMENTS

Standard and Options		PACIFIC		MONTANA			ATLANTIC	NEVADA		
		TN 15/20 TM 7,5/11,5	TM 16/20	JM 30 JM 40	JS 60 JS 70 JS 80 JS 100	JS 120 JS 150 JS 180 JS 275		JS 200 JS 350 JS 400	KM 25 KM 40	KS 60 KS 85 KS 100
Motor	4-stroke liquid-cooled diesel engine	●	●	●	●	●	●	X	X	
	4-stroke liquid-cooled gas engine	X	X	X	X	X	X	●	●	
	Mechanical governor	●	●	●	●	●	X	X	X	
	Electronic governor	X	EN 01 ⁽¹⁾	EN 01	EN 01	EN 01	●	●	●	
	Standard air-filter	●	●	●	●	●	●	●	●	
	Air filter with replaceable cartridge	1	X	EN 02	EN 02	EN 02	EN 02	EN 02	X	X
	Coolant heater 220/240 V (without relay)	EN 20	EN 20	EN 20	EN 20	EN 20	EN 20	EN 20	EN 20	
Coolant heater 120 V with thermostat	X	X	X	X	X	X	X	X	EN 21	
Alternator	IP 21 single-bearing alternator class H insulation	X	X	●	X	X	●	X	●	X
	IP 23 single-bearing alternator class H insulation	●	●	● ⁽²⁾	●	●	●	●	● ⁽²⁾	●
	Anti condensation heater	X	X	X	AL 01	AL 01	AL 01	AL 01	X	AL 01
	Tropical impregnation	X	X	X	AL 05	AL 05	AL 05	AL 05	X	AL 05
	Synchronizing C.T. + 3 fonction regulator	X	X	X	X	○ ⁽³⁾	○	○	X	X
	PMG + Regulator	X	X	X	AL 06	AL 06	AL 06	AL 06	X	AL 06
Genset	Electric panel compliance	●	●	●	●	●	●	●	●	
	Compliance with CSA NRTL/C	CEL 03	CEL 03	CEL 03	CEL 03	CEL 03	CEL 03	CEL 03	CEL 03	
	Output breaker	●	●	●	●	●	●	●	●	
Oil	Fabricated all welded baseplate with anti-vibration mountings	●	●	●	●	●	●	●	●	
	Standard colour RAL9005/5007 (black/blue) delivered in shrinkwrap	●	●	●	●	●	●	●	●	
	Supplied with oil and coolant (-30°C)	●	●	●	●	●	●	●	●	
Exhaust	Lub oil drain valve + diesel oil or gas flexible	●	●	●	●	●	●	●	●	
	Lub oil drain pump	X	EN 04	EN 04	EN 04	EN 04	EN 05	EN 05	EN 05	
	Silencer 9 dB(A) supplied separately	2	●	●	●	●	●	●	●	
Cooling	Silencer 9 dB(A) not supplied	EN 07	EN 07	EN 07	EN 07	EN 07	EN 07	EN 07	EN 07	
	Silencer 9 dB(A) adjustable (not compatible with CEL 02)	EN 12	EN 12	EN 12	EN 12	EN 12 ⁽⁴⁾	X	X	X	
	Silencer 29 dB(A) supplied separately	4	EN 08	EN 08	EN 08	EN 08	EN 08	EN 08	EN 08	
	Silencer 40 dB(A) supplied separately	EN 09	EN 09	EN 09	EN 09	EN 09	EN 09	EN 09	EN 09	
	40 cm extension	EN 13	EN 13	EN 13	EN 13	EN 13 ⁽⁴⁾	X	X	X	
	Exhaust outlet with flexible and flanges or flexible	3	EN 10	EN 10	EN 10	EN 10	○	○	EN 11	EN 10
Starting	Heat hand protection ("CE" requirement)	5	CEL 02	CEL 02	CEL 02	CEL 02	CEL 02	CEL 02	CEL 02	
	Mounted radiator for "air on" temp. 50°C (depending on version) with drain cock	●	●	●	●	●	●	●	●	
	Delivered without coolant	FD 11	FD 11	FD 11	FD 11	FD 11	FD 11	FD 11	FD 11	
Fuel	Protection mesh for fan and revolving parts	6	●	●	●	●	●	●	●	
	Front rad protection	EN 14	EN 14	EN 14	EN 14	EN 14	EN 14	EN 14	EN 14	
	Starter and charge alternator	12 V	12 V	12 V	12 V	12 V	24 V ⁽¹⁰⁾	24 V	12 V	12 V
Gas	Battery with cables and battery tray	●	●	●	●	●	●	●	●	
	Non-supply of batteries and tray (cables still supplied)	EN 15	EN 15	EN 15	EN 15	EN 15	EN 15	EN 15	EN 15	
	Battery isolator	EN 16	EN 16	EN 16	EN 16	EN 16	EN 16	EN 16	EN 16	
	Inbuilt fuel tank	●	●	●	●	●	●	●	X	X
	Fuel inlet/return connections (no tank)	7	FD 01	FD 01	FD 01	FD 01	FD 01	FD 01	X	X
	Automatic fuel fill kit for frame tank	9	X	X	X	FD 15	FD 15	FD 15	X	X
Miscellaneous	Automatic fuel fill kit for separate tank	FD 08	FD 08	○	○	○	○	X	X	
	Retention bund on DT	10	X	FD 04	FD 04	●	FD 04	FD 04	X	X
	W separator fuel prefilter	8	FD 05	FD 05	FD 05	FD 05	FD 05	FD 05	X	X
	Tank with retention bund	FD 06	FD 06	FD 06	FD 06	○	○	○	X	X
	Retention bund alarm for separate tank ⁽⁵⁾	FD 14	FD 14	FD 14	FD 14	FD 14	FD 14	FD 14	X	X
	Gas pressure regulator	X	X	X	X	X	X	X	●	●
Miscellaneous	Solenoid valve	X	X	X	X	X	X	X	●	●
	Rigid gas link	X	X	X	X	X	X	X	●	●
	Flexible link with crimped nozzle	X	X	X	X	X	X	X	●	●
	Connection with 1/4 turn 3/4" valve	X	X	X	X	X	X	X	●	●
	Natural gas adjustment	X	X	X	X	X	X	X	●	●
	LPG adjustment	X	X	X	X	X	X	X	CEL 05	CEL 05
Miscellaneous	Multilingual ⁽⁷⁾ technical documentation level A ⁽⁶⁾ (extra copy)	●	●	●	●	●	●	●	●	
	German version	AD 12	AD 12	AD 12	AD 12	AD 12	AD 12	AD 12	X	X
	Multilingual ⁽⁷⁾ technical documentation level A ⁽⁶⁾ (extra copy)	AD 21	AD 21	AD 21	AD 21	AD 21	AD 21	AD 21	AD 21	
	German version level A (extra copy)	AD 22	AD 22	AD 22	AD 22	AD 22	AD 22	AD 22	X	X
	English version level B ⁽⁸⁾	11	AD 31	AD 31	AD 31	AD 31	AD 31	AD 31	AD 31	AD 31
	English version level C ⁽⁹⁾	AD 41	AD 41	AD 41	AD 41	AD 41	AD 41	AD 41	AD 41	AD 41
	Standard tool set	AD 05	AD 05	AD 05	AD 05	AD 05	AD 05	AD 05	X	X
Standard tool box	AD 06	AD 06	AD 06	AD 06	AD 06	AD 06	AD 06	X	X	
GENSERVICE spare parts	○	○	○	○	○	○	○	X	X	

● Standard X Impossible ○ Different options available - Contact us EN 01 Option code EN 01 Free option

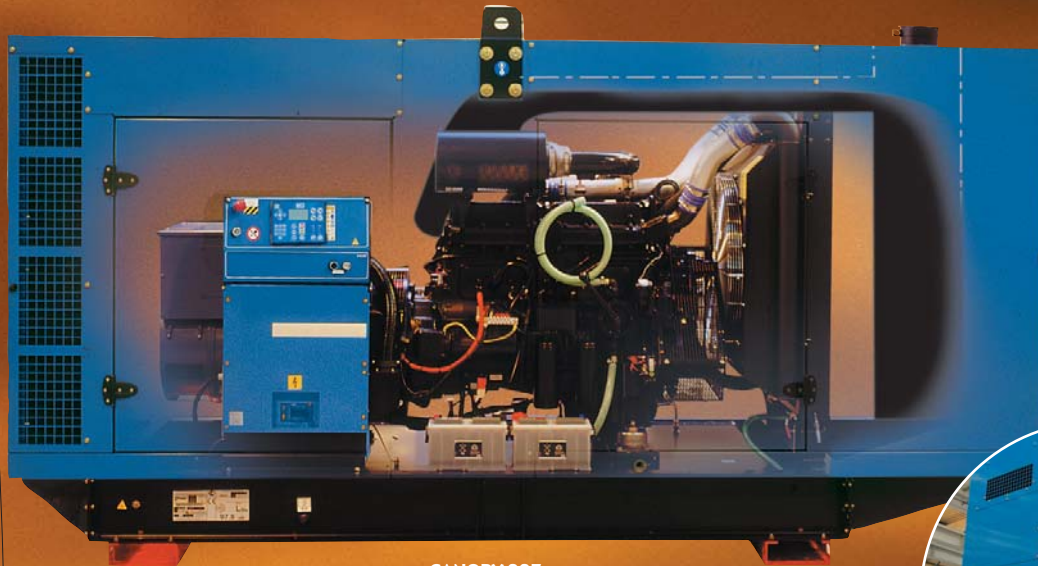
(1) Impossible on TM 16 (2) Not available on JM 40 and KM 40 (3) Only on JS 180 and JS 275 (4) Not available on JS 275 (5) Select Telys Mics fitted with CB12 Master Card (6) Level A documentation including : Maintenance manual and diagrams + genset user manual and description of switchboard + genset installation guide (7) French, english, spanish (8) Level B including : level A + list of engines and alternator parts (english only) (9) Level C including : Level B + workshop manual (english only) (10) 12 V for JS 200.



POWER PRODUCTS

50Hz

Discover our modular hood concept and transparently appreciate its advantages !
In addition to noise reduction, this particularly economical concept enables you to optimise your generator set's footprint and to benefit from features such as easy handling, a backing plate, a catch tray ...



CANOPY 227



CANOPY 126



CANOPY 107



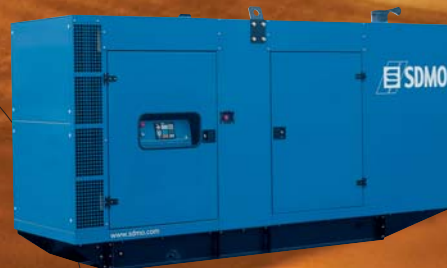
CANOPY 128



CANOPY 129



CANOPY 226



CANOPY 228



CANOPY 229



GENSETS & CANOPIES

3 - PHASE

	Type	Canopy	Tank (L)	Dimensions L x w x h (m)	Weight ⁽¹⁾ (kg)	Acoustic power - 50 Hz		
						LWA	dB(A)@1m	dB(A)@7m
PACIFIC	TN15 SK	126	50	1,75x0,72x1,23	535	96	80,8	70,8
	TN 20 SK	126	50	1,75x0,72x1,23	534	96	78,4	68,4
	TN 27 SK	126	50	1,75x0,72x1,23	798	96,7	81	71
	TM 7,5 K	126	50	1,75x0,72x1,23	455	86	70,1	60,1
	TM 11,5 K	126	50	1,75x0,72x1,23	535	86,1	70,4	60,4
	TM 16 K	126	50	1,75x0,72x1,23	575	86,5	70,7	60,7
	TM 20 K	107	100	2,10x0,92x1,45	845	88	71,6	61
MONTANA	JM 30	107	100	2,10x0,92x1,45	1035	95	78,4	68
	JM 40 K	107	100	2,10x0,92x1,45	1115	91,1	74,8	65
	JS 60 K	128	180	2,30x1,08x1,68	1490	96,4	79,5	70
	JS 70 K	128	180	2,30x1,08x1,68	1530	96,4	79,5	70
	JS 80 K	128	180	2,30x1,08x1,68	1530	96,4	79,5	70
	JS 100 K	129	190	2,55x1,17x1,68	1820	94,5	77	67
	JS 120 K	226	340	3,51x1,20x1,83	2020	96,1	78,1	68
	JS 150 K	226	340	3,51x1,20x1,83	2110	96,1	78,6	68,8
	JS 180 K	226	340	3,51x1,20x1,83	2200	96,6	78,6	68,8
	JS 200 K	226	340	3,51x1,20x1,83	2364	96,6	78,6	68,8
	JS 275 K	227	390	4,00x1,38x2,13	3215	98,2	79,5	69,5
	JS 350 K	228	470	4,48x1,41x2,43	4170	95,5	76,2	66,5
	JS 400 K	228	470	4,48x1,41x2,43	4170	95,6	76,3	66,6
NEVADA	KM 25 G	107	-	2,10x0,92x1,45	957	87	70,7	61
	KM 40 G	128	-	2,30x1,08x1,68	1030	95,5	78,6	68,6
	KS 60 G	129	-	2,55x1,17x1,68	1240	95,7	78,5	68,5
	KS 85 G	129	-	2,55x1,17x1,68	1400	96,2	78,1	68
	KS 100 G	129	-	2,55x1,17x1,68	1400	97,3	79,2	69,2
ATLANTIC	GS 200 K	227	390	4,00x1,38x2,13	3050	94,5	75,7	65,7
	GS 250 K	227	390	4,00x1,38x2,13	3200	97,8	79	69
	GS 300 K	228	470	4,48x1,41x2,43	3980	98,6	79,4	70
	GS 375 K	228	470	4,48x1,41x2,43	4320	98,8	79,5	69,5
	GS 400 K	228	470	4,48x1,41x2,43	4320	98,8	79,2	69,2
	GS 450 K	229	500	5,03x1,56x2,43	4660	99,3	79,7	69,7
	GS 500 K	229	500	5,03x1,56x2,43	4725	99,3	79,7	69,7

1 - PHASE

	Type	Canopy	Tank (L)	Dimensions L x w x h (m)	Weight ⁽¹⁾ (kg)	Acoustic power - 50 Hz		
						LWA	dB(A)@1m	dB(A)@7m
PACIFIC	TN 15 SKM	126	50	1,75x0,72x1,23	466	96	80,8	70,8
	TM 7,5 KM	126	50	1,75x0,72x1,23	455	86	70,1	60,1
	TM 11,5 KM	126	50	1,75x0,72x1,23	565	86,1	70,4	60,4
	TM 16 KM	126	50	1,75x0,72x1,23	600	86,5	70,7	60,7
	TM 20 KM	107	100	2,10x0,92x1,45	845	89,7	73,5	64
NEVADA	KM 25 GM	107	-	2,10x0,92x1,45	1023	87	70,7	61

(1) Dry weight without fuel

EQUIPMENT

STANDARD AND OPTIONS

	107	126 128 129	226	227 228 229
Canopy	Mounted soundproof canopy	SiM	SiM	SiM
	Soundproofed canopy kit ⁽¹⁾	SiK	X ⁽²⁾	X
	Colour Black/Blue (RAL 9005/RAL 5007)	●	●	●
	Black and specific colour (Caution delay : 8 weeks min)	CN 08	CN 08	CN 08
	Modular sheet steel structure	●	●	●
	Phosphate priming followed by anti-corrosion polyester powder coat	●	●	●
Lifting	Flexible seals between body sections	●	●	●
	Central lifting eye (Lifting points)	1	1	2
Safety	Baseplate with retention tank	● ⁽³⁾	● ⁽³⁾	FD 04
	Simple baseplate	X	X	CN 05
	Lockable doors with single key	●	●	●
	Lockable control panel	●	●	●
Easy maintenance access	Exterior emergency stop button	●	●	●
	Access to fuel, oil and battery through lockable doors	●	●	●
	Protective mesh for rotating parts	●	●	●
	Silencer inside canopy	●	●	●
Trailers	Galvanised sheet metal air outlet duct	X	CN 03	CN 03
	Sockets panel (400 V Tri + N)	CN 04	CN 04	X
	Doors on each side (No of doors)	1+1	2+1	3+1
	Lub oil drain pump	EN 04	EN 04	EN 04
Trailers	Electric panel door	●	●	●
	Road Trailer for soundproofed canopy	TR 11 ⁽³⁾	TR 11 ⁽³⁾	TR 11
	Eye 40 mm (DIN German)	TR 21	TR 21	TR 21
	Eye 68 mm (French)	●	●	●
	Eye 76 mm (NATO)	TR 25	TR 25	TR 25
	Ball 50 mm (Universal)	TR 26	TR 26	TR 26
Spare wheel kit jack	TR 31	TR 31	TR 31	

● Standard X Impossible CN 04 Option code CN 04 Free option (1) Assembly by authorised SDMO personnel only (2) Option Sik for the canopy 126 (3) Impossible on NEVADA gensets

CONTROL PANELS	NEXYS	TELYS	KERYS
Pacific	●	○	X
Montana (JM 30 to JS 275K)	●	○	○ ⁽¹⁾
Montana (JS 350K to JS 400K)	X	●	○
Atlantic	X	●	○
Nevada	●	○	X

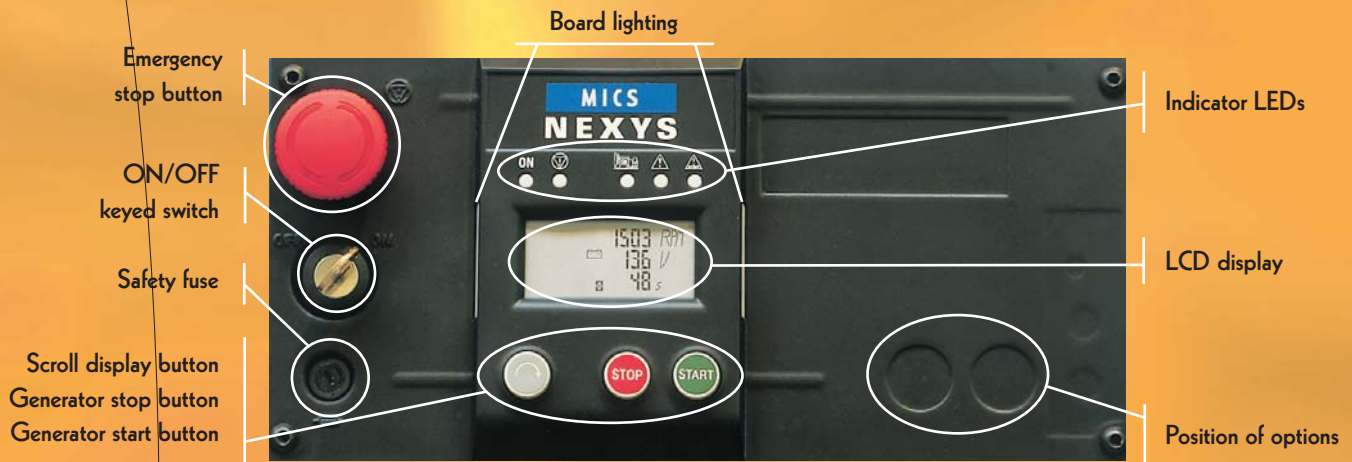
(1) consult us



MICS NEXYS

PRESENTATION

The Mics NEXYS, SDMO's new entry level unit, can run in automatic or manual modes. Modular in design, it offers high quality basic functions for the simplified and reliable control of your generator set.



SPECIFICATIONS

Measurements	Line voltages in Volts	○
	Single voltages in Volts	○
	Phase currents in Amps	○
	Frequency in Hertz	● LCD
	Analogical indicator	○
Engine parameters	Indication of engine speed	● LCD
	Indication of battery voltage	● LCD
	Elapsed hour meter	● LCD
	Fuel solenoid-operated valve control	●
	Starter control	●
Operation and/or safety lights	Plug preheating control	○
	Water preheating control	○
	Oil pressure fault	●
	Water temperature fault	●
	Fail to start fault	●
	Overspeed fault	●
	Set ready for load	●
	Charging alternator fault	●
	General alarm	●
	General fault	●
	Panel lamp	●
	Emergency stop fault	●

Safety devices	Overload or short-circuit or fault	○
	Overspeed fault	●
	Differential triggering fault	○
	Automatic standby	●
Automation	Voltage and speed stabilization	●
	Plug preheating	○
	Mains contactor position return	X (self-controlled INS)
	Generating set and mains, contactor position return	X (self-controlled INS)
	External starting order	○
	Mains sensing 3-ph	○
Miscellaneous	Test LEDs	●
	Fault reset	●
	External AMF predisposition	○
	3-phase with or without neutral, 2-phase or single-phase use	● ⁽¹⁾
	12V battery charger	○
	Differential protection with time and sensitivity adjustment	○ ⁽²⁾
	Alarm hooter	○
Permanent insulation controller	○	

- Standard
- Option code
- LCD Standard with LCD message
- X Not available

(1) Choice is revised through programming - The alternator's voltage reference connecting wire modification is necessary
 (2) The earth fault protection is ensured by one external module


For more information concerning the Mics NEXYS, see the Nexys documentation (NEX/GB-2004/1) or contact your SDMO sales representative.



MICS TELYS

PRESENTATION

A major component of our range of control units, the Mics TELYS is a standard addition to our generator sets from 200 kVA upwards its user-friendly interface and range of features allow careful monitoring of your installation.



1 "ON" KEY
with integrated LED
(after automatic extinction)

LCD SCREEN
incorporated back-lighting,
featuring 8 lines x 21 characters

**4 electrical QUANTITIES
AND ENGINE
PARAMETERS KEYS**

8 DISPLAY LEDs
alarms, faults, statuses

**2 generating SET REGULATION
OUTPUT KEYS (+/-)**

**15 PROGRAMMING
KEYS**
NUMBER KEY PAD
(0 TO 9)

**4 OPERATING MODE
SELECTION KEYS**
with integrated selection LEDs

**2 ERROR RESET
AND LED TEST KEYS**

1 - Oil pressure fault (R)
2 - Water temperature fault (R)
3 - Failure to start fault (R)
4 - Overspeed fault (R)
5 - Set ready to output (G)
6 - Charging alternator fault (R)
7 - General alarm (Y)
8 - General fault (R)
(R = red, G = Green, Y = Yellow)

SPECIFICATIONS

Measurements	Line voltages in Volts	● LCD
	Single voltages in Volts	● LCD
	Phase currents in Amps	● LCD
	Neutral current in Amps	● LCD
	Frequency in Hertz	● LCD
	All generating set states, all starter phases	● LCD
	Analogical indicator	○
Engine Parameters	Indication of engine speed	● LCD
	Indication of battery voltage	● LCD
	Elapsed hour meter	● LCD
Operation	Powering up	●
	Fuel solenoid-operated valve control	●
	Starter control	●
	Plug preheating control	○
	Water preheating control	○
	Mains contactor control	○ (3)
Operation and/or safety lights	Generating set contactor control	○ (3)
	Oil pressure fault	●
	Water temperature fault	●
	Fail to start fault	●
	Overspeed fault	●
	Set ready for load	●
	Charging alternator fault	●
	General alarm	●
	General fault	●
	Panel lamp, 22 dia.	●
STOP/MANU/AUTO/TEST mode	●	
Miscellaneous	Generating set side contactor closed	○ (3)
	Mains side contactor closed	○ (3)
	Any faults or any alarms messages	● LCD

- Standard ○ Option code
● LCD Standard with LCD message

Safety devices	Oil pressure fault	●
	Water temperature fault	●
	Emergency stop fault	●
	Overload or short-circuit alarm or fault	● (2)
	Min/max battery voltage alarm or fault	● (2)
Automation	Min/max alternator voltage alarm or fault	● (2)
	Min/max alternator frequency alarm or fault	● (2)
	Overspeed fault	●
	Differential relay present fault	○ (3)
	Differential triggering alarm or fault	○ (2+3)
	Automatic standby	●
	Automatic extinction	●
	4 modes	●
	Engine stopping for cooling	●
	Voltage and speed stabilization	●
Miscellaneous	Plug preheating	○
	ATS changeover presence choice	○ (1)
	Mains contactor position return	○ (1)
	Generating set and mains contactor position return	○ (1)
	Generating set contactor manual closing	○ (1)
	Generating set contactor manual opening	○ (1)
	Starting on clock	○ (1)
	External starting order	○ (1)
	Mains sensing 3-ph	○ (4)
	Test LEDs	●
Miscellaneous	Fault reset	●
	External AMF predisposition	○
	3-phase with or without neutral, 2-phase or single-phase use	● (5)
	12V battery charger	○
	GES Pack [®] fitted inside the genset ⁽⁷⁾	○
	Differential protection with time and sensitivity adjustment	○ (2)
	Alarm hooter	○

wintelys



(1) Control and automatisms installed, but necessity to have the option "External AMF predisposition" and the possible configuration of one parameter on the MICS[®] Telys. (2) The choice Alarm or fault is programmed through the keyboard. (3) The earth fault protection is ensured by one external module connected to the CBI2 card and through connecting of one tiny relay on the CBI2 card. A local configuration is also needed. (4) MICS DS mains detection is proposed as a base in the source inverter. In the case whereby the source inverter is not chosen, the MICS DS module can be moulded in the panel. (5) Choice is revised through programming. The alternator's voltage reference connecting wire modification is necessary. (6) For details, please consult us. (7) NF E37312 standard.

This software developed by SDMO enables the user to set up the dialog between the Mics TELYS panel fitted on our gensets and the PC type computer on which it is installed in order to control from a distance the operating system. Depending on the configuration of your installation, you can select from 4 types of connection, the one that best suits your needs : local mode supervision, Switched Telephone Network remote management, Ethernet remote management or SGM network remote management. For further information concerning Wintelys, please contact an SDMO reseller.



The Mics KERYS is a user-friendly and intuitive tool that possesses a very broad range of features. It is fitted as standard on all generator sets intended for coupling applications and can be fitted as an option on all of our other applications. In order to meet all of the requirements of low or high voltage power plants, the Mics KERYS can be fitted into a control desk, directly onto the generator set, or in a separate cabinet. It complies with EC, UL and CSA standards.

Display screen
TFT LCD 7,4 in
Colour graphical display
Touch screen
Dimensions 154 x 86 mm

Configuration keypad
For configuration, navigation and direct access to screens



Control keypad with display LED

- Manu mode selection
- Stop mode selection
- Auto mode selection
- Open/Close GE circuit breaker
- Activate/Deactivate test
- Open/Close network circuit breaker
- LED test
- Stop horn
- Erase anomalies

Control keypad with display LED



The Mics KERYS is available in two versions. The basic GUI (Graphical User Interface) is made up of a monochrome LCD screen and a function keypad. The top of the range Mics KERYS tactil version possesses a TFT colour touch screen. Both of these versions provides a user-friendly configuration, operation or diagnostic interface.

SPECIFICATIONS

The Mics KERYS possesses all of the features of the Mics TELYS (cf. table page 13)

ADDITIONAL SPECIFICATIONS

Measurements

- Powers (active, reactive)
- Power factor in the various dials
- Active and reactive energies
- Synchronism (phase, voltage and frequency deviation)
- Voltage and current harmonics

Protective measures

- Overload, short-circuit
- Line current directive
- Neutral current
- Reverse component
- Voltage hold-back
- Thermal image
- Voltage max. and min.
- Presence and absence of voltage
- Frequency max. and Min.
- Active power maximum
- Active and reactive reverse power
- Homopolar current and homopolar current directive
- Homopolar voltage and restricted earth
- Vector jump, mini Z and dF/dt

Synchronisation

- Manual and automatic
- Frequency and voltage equalisation

Control

- Speed and voltage
- Frequency and voltage setpoint switching
- Frequency and voltage setpoint adjustment
- Active and reactive power setpoint adjustment
- Active and reactive power ramp-up
- Active and reactive power distribution
- Active and reactive power lock-out
- Manual speed and voltage control

Communication

- Local or remote mode
- On board Web site
- RS485 link
- Ethernet (local mode) and Internet (remote mode)

Standard added benefits

- Failure troubleshooting assistance
- Maintenance assistance (logs, automatic Email, etc.)
- Electrical and mechanical parameter graphs and logs
- Load impact management
- Addition of extra logics with no external tools

Coupling

- A612** : Generator set without grid
- A622** : Generator set with INS and grid, no coupling
- A633** : Production plant without grid
- A634** : Production plant with grid and INS (no grid coupling)
- A641** : Generator set with permanent grid coupling, no INS - grid coupling + resale
- A642** : Generator set with permanent grid coupling, no INS - Grid coupling + 0 kW power cap on grid
- A651** : Generator set with fading grid coupling and INS
- A661** : Generator set with permanent grid coupling and INS WEB site

WEB SITE

The Mics Kerys and Kerys tactil are provided as standard with an on-board web site. This site and its 60 resident screens enables you to completely check your installation (operation and setup), whatever the distance.



Electrical variable display screen

For further information, check the Mics KERYS documentation or contact your SDMO sales representative.



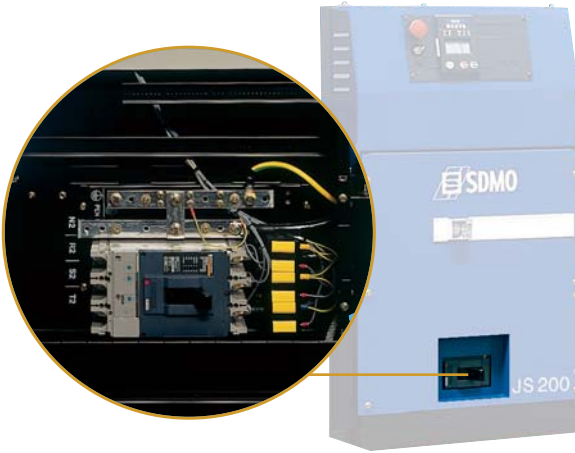
POWER MODULES (PANELS AND AIPR)

GENERAL SPECIFICATIONS

Two different presentations :

- up to 630A, the power modules are integrated into the panels.
 - The cable extra flexible connections, between the panel and the alternator are fitted within one isolating cable protection.
 - above 630A, power modules called AIPR are separated from the control/command.
- These panels are fitted on the generating set frame and connected to the alternator.

Power modules mounted in panels



POWER SECTION

	3 poles	4 poles
Modular circuit-breaker from 10A up to 125A	X	●
Compact circuit breaker 160A and 250A	●	○
Compact circuit breaker 400A and 630A	●	○

● Standard ○ Option code X Not available

(*) The motorized remote control includes : one XF coil, one MX coil, and one AC engine.

(**) Only with the option motorized control.



AIPR

RATING	800A	1250A	1600A
With a front manual command			
3 poles circuit breaker, compact type	●	●	●
4 poles circuit breaker, compact type	○	○	○
Option motorized control (*)			
With 3 poles circuit breaker, open type	○	○	○
With 4 poles circuit breaker, open type	○	○	○
Others characteristics			
Voltage 208V-440V	●	●	●
Bus bars	●	●	●
Remote control terminal box (**)	○	○	○
Protection index	IP207	IP207	IP207
Dimensions :	height (mm)	1020	1260
	width (mm)	560	665
	depth (mm)	238	360

● Standard ○ Option code

700A



SEPARATE "MAINS/STANDBY" CHANGEOVERS

GENERAL SPECIFICATIONS

SDMO supplies a full range of separate "Mains-Standby" changeover switches. This technical solution has several advantages : cost (positioned near mains input panel), easy installation (single heavy cable run). This range is standard and always in stock.

Two factors make the option very good value : IP 54 housing with easy access to cable connections and four lamps on the front panel face ; mains available, mains on load, genset available, genset on load. On the Mics NEXYS, the "Mains-standby" changeover switch is self-piloted. The MICS DS "mains detection" module is built into the panel. The panel conforms with EMC requirements.

	NS 45 A	NS 63 A	NS 72 A	NS 90 A	NS 100 A	NS 140 A	NS 144 A	NS 200 A	NS 224 A	NS 275 A	NS 300 A	NS 400 A	NS 500 A	NS 700 A	NS 1000 A	NS 1600 A	NS 2000 A	NS 2500 A
VOLTAGE	2 poles	X	X	●	X	●	X	●	X	●	X	X	X	X	X	X	X	X
	3 poles	X	X	X	X	X	X	X	X	●	●	●	●	●	●	●	●	●
	4 poles	●	●	X	●	X	●	X	●	X	●	●	●	●	●	●	●	●
	208-440V (3-phase)	●	●	X	●	X	●	X	●	X	●	●	●	●	●	●	●	●
CONNECTIONS	220-240V (1-phase)	X	X	●	X	●	X	●	X	●	X	X	X	X	X	X	X	X
	Changeover by contactor	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Changeover by motorised CB	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Protection of auxiliaries ⁽¹⁾	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse	Fuse	C/B	C/B	C/B	C/B	C/B	C/B	C/B	C/B
DIMENSIONS	Terminals	●	●	●	●	●	●	●	●	X	X	X	X	X	X	X	X	X
	Copper barse	X	X	X	X	X	X	X	X	●	●	●	●	●	●	●	●	●
	Height (mm)	500	500	500	600	500	600	600	800	600	900	900	900	900	1000	1200	2000	2000
	Width (mm)	400	400	400	400	400	400	400	600	400	700	700	700	700	800	1200	1200	800
ADDITIONAL	Depth (mm)	200	200	200	200	200	200	200	300	200	300	300	300	300	400	400	500	800
	Adjustable mains sensing relay	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Wall panel IP 54	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	X	X
	Free-standing panel IP 54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	●	●

● Standard ○ Option code X Not available

(1) Protection of auxiliaries : mains power detection, panel relay, water heater, battery charger.