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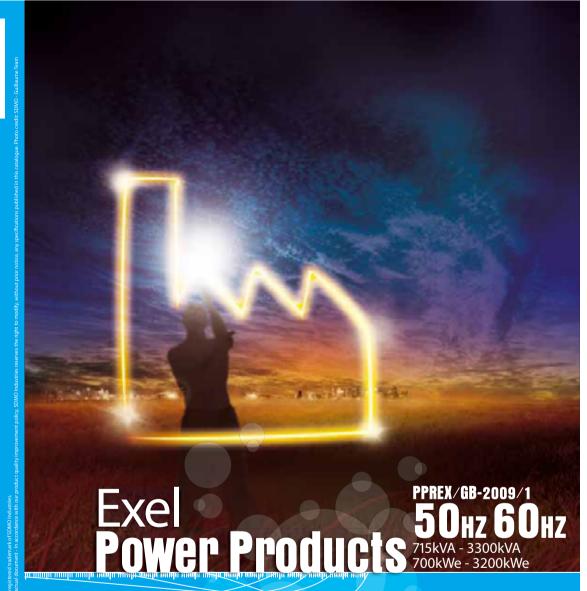
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A powerful response

SDMO is recognised as one of the top manufacturers of generating sets in the world. SDMO has channelled all its energy into designing a range which is both highly competitive and high-performance, the largest range available on the market As a response to the increasingly precise nature of your energy requirements, which relate directly to the special traits of your particular industry, SDMO is devoting the majority of its resources to the continuous improvement of its range and services.

The result of a strategy focussed on a single industry: exacting professionalism which provides you with a reliable source of energy, complying with the strictest of standards. The pioneering mindset of its teams, and the mastery and flexibility of its production methods mean that SDMO is constantly innovating. The proximity of its distribution network and the dynamism of its customer services policy enable SDMO to be a powerful force and provide the basis of the company's values.

SDMO, the source of energy for your comfort and safety. SDMO, providing the energy that links mankind.

whatever the energy required Whether you require emergency power to be able to cope with potential power cuts (e.g. hospitals, shopping centres) or continuou power when conventional electrical grids are faulty (power plants), SDMO will be able to offer you performance products from a large which meets all the requirements of different markets.

This range comprises 3 main categories:

- Standard products (Portable Power, Residential Power, Power Products and Rental Power)
- Expertise and Services (Power Solutions, Training, Spare Parts, Technical Assistance)
- Related products (Nexys, Telys, Kerys command/control units)

National coverage, international presence, "think globally, act locally"

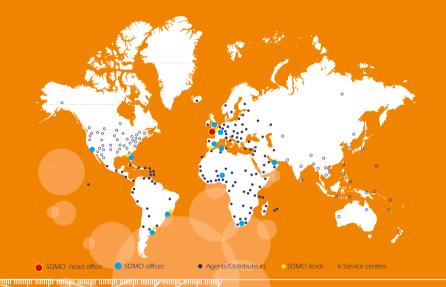
In order that SDMO can continue to grow and expand into new markets it relies on:

- a distribution network present
- in over 150 countries
- 7 overseas subsidiaries
- 4 offices

- 7 sales offices and

The reactivity of the company is based on its 5 storage platforms which, in co-operation with the subsidiaries constitute an efficient means of operating.

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



Market logic for greater reactivity

ne production plants in Brest are organised according to roduct lines relating to the product range offered:

- a production site for Portable Power generating sets and fo Power Products with lower power,
- a production site for Power Products, Rental Power an Residential Power ranges
- a production site used for the production of special Power Solutions applications

This overall synergy between the industrial teams and sales and marketing departments reinforces the position of SDMO: prescription, reactivity, presence on the major markets.



www.sdmo.com

SDMO° 50нz 60нz

EXCE VOE RANGE (Emissions Optimisation Variant)

4000 series long-stroke engines are optimised to comply with pollutant gas emissions standards, and thus offer improved performance





T	technical specifications								EXE	L RA	NGE					
	50 Hz specifications 400-230 V			ıs		z specif 8 0-27		S			(General s	pecifi	cations		
RANGE	GENE-	k\ Cos		Cons 3/4	GENERA-	kV ISO 8		Cons		E	ngine			Alternator	Compact V	ersion ⁽⁵⁾
	SET ⁽¹⁾	PRP	ESP (4)	L/h	TING SET ⁽²⁾	PRP	ESP (4)	3/4 L/h	Engine type	cyl	Bore (mm)	Stroke (mm)	Cyl (L)	Туре	Dimensions Ixwxh (m)	Weights ⁽⁶⁾ (kg)
	X715 C	650	715	109	-	-	-	-	12V2000G25	12V	130	150	23.9	49154	3.97x1.63x1.94	5041
	-	-	-	-	X700UC2	636	700	131	12V2000G45	12V	130	150	23.9	491M6	3.97x1.63x1.95	5041
EXEL 1**	X880C	800	880	131	X800UC2	727	800	148	12V2000G65/85	12V	130	150	23.9	491L9A	3.97x1.63x1.96	5441
	X1000 C	910	1001	154	X900UC2	900	818	168	16V2000G25/45	16V	130	150	31.8	491L10	4.37x1.77x2.19	6177
	X1100C	1000	1100	169	X1000UC2	909	1000	184	16V2000G65/85	16V	130	150	31.8	50254	4.37x1.77x2.19	6250
	X1250C	1136	1250	192	X1200UC2	1091	1200	217	18V2000G65/85	18V	130	150	35.8	502M6	4.66x2.02x2.20	7703
	X1540C	1400	1540	226	-	-	-	-	12V4000G23R1	12V	170	210	57.2	502L8	4.00x1.88x2.16	10640
	X1650C	1200	1650	251	-	-	-	-	12V4000G23R2	12V	170	210	57.2	502VL10	4.16x1.88x2.16	10820
	X1850C	1682	1850	266	X1600UC2	1455	1600	282	12V4000G23/43	12V	170	210	57.2	512555	4.10x1.87x2.16	11405
	X2000C	1800	2000	298	X1750UC2	1591	1750	319	12V4000G63/83	12V	170	210	57.2	512555	4.10x1.87x2.16	11405
EXEL 2	X2200C	2000	2200	336	X2000UC2	1818	2000	377	16V4000G23/43	16V	170	210	76.3	512M60	4.62x1.87x2.16	13280
	X2500C	2250	2500	369	X230UC2	2091	2300	422	16V4000G63/83	16V	170	210	76.3	512VL90	4.62x1.87x2.16	14235
	X2800C	2545	2800	409	X2500UC2	2270	2500	471	20V4000G23/43	20V	170	210	95.4	53575	5.50x2.25x2.44	17484
	X3100C	2818	3100	450	X2750C2	2500	2750	516	20V4000G63/83	20V	170	210	95.4	5457	5.50x2.55x2.44	18559
	Х3300С	3000	3300	481	X3200UC2	2909	3200	557	20V4000G63L/83L	20V	170	210	95.4	54M9	5.60x2.25x2.44	19241

Exel® VOC RANGE

(Consumption Optimisation Variant)



X715



X1750U

16	LECHINICAL PLECIFICATIONS								LALI	L 1111	ANUL					
	50	Hz spec 400-2 3		ıs		Iz speci 480-27		Ons General specifications								
RANGE	GENE- RATING	k\ Cos		Cons 3/4	GENE- RATING	kV ISO 8	Ve 528*	Cons 3/4	Engine					Alterna- tor	Compact V	ersion ⁽⁵⁾
		L/h	SETS (2)	PRP ESP L/h		Engine type	cyl	Bore (mm)	Stroke (mm)	Cyl (L)	Туре	Dimension Ixwxh	weights ⁽⁶⁾ (kgs)			
EXEL 1	X715	650	715	104	-	-	-	-	12V2000G25	12V	130	150	23.9	49154	3.98x1.63x1.95	5041
	X880	800	880	123	-	-	-	-	12V2000G65	12V	130	150	23.9	491L9A	3.98x1.63x1.95	5241
	X1000	910	1001	140	-	-	-	-	16V2000G65	16V	130	150	31.8	491L10	4.33x1.77x2.19	6150
	X1100	1000	1100	152	-	-	-	-	16V2000G65	16V	130	150	31.8	50254	4.37x1.77x2.20	6177
	X1250	1136	1250	177	-	-	-	-	18V2000G65	18V	130	150	35.8	502M6	4.57x1.77x2.20	7160
	X1540	1400	1540	210	-	-	-	-	12V4000G23R1	12V	170	210	57.5	502L8	4.00x1.88x2.16	10640
	X1650	1500	1650	241	-	-	-	-	12V4000G23R2/43	12V	170	210	57.2	502VL10	4.16x1.88x2.16	10820
	X1850	1682	1850	241	X1600U	1455	1600	265	12V4000G23/43	12V	170	210	57.2	512555	4.10x1.87x2.16	11405
	X2000	1800	2000	266	X1750U	1591	1750	301	12V4000G63/83	12V	170	210	57.2	512555	4.10x1.87x2.16	11405
EXEL 2	X2200	2000	2200	306	X2000U	1818	2000	358	16V4000G23/43	16V	170	210	76.3	512M60	4.62x1.87x2.16	13280
	X2500	2250	2500	331	X2300U	2091	2300	398	16V4000G63/83	16V	170	210	76.3	512VL90	4.62x1.87x2.16	14235
	X2800	2545	2800	386	X2500U	2270	2500	452	20V4000G23/43	20V	170	210	95.4	53\$75	5.50x2.25x2.44	17484
	X3100	2818	3100	420	X2750U	2500	2750	487	20V4000G63/83	20V	170	210	95.4	5457	5.50x2.25x2.44	18559

X3300 3000 3300 445 X3200U 2909 3200 530 20\(\frac{4}{2}\) 20\(\frac{1}{2}\) 170 210 95.4 54M9

FXFI RANGE

- (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) PRP: main power available continuously under variable load for an unlimited number of hours annually, in accordance with ISO 8528-1
- (4) 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.
- (5) The dimensions and weights apply to a generating set specified in the price list, without options (6) Dry weight - without fuel
- * ISO 8528: powers specified in compliance with the legislation in force



basic and options

BASIC AND OPTIONS

EQUIPMENT

	Basic and options	EXEL 1 MTU 2000 series		EXEL 2 4000 series
		VOE and VOC	VOE	VOC
	4 stroke water-cooled diesel engine			•
	Electronic control device			
يو	Standard air filter			
engine	Air filter with interchangeable cartridge		EN 02	EN02
Đ.	220/240 V preheating resistance (no control)	EN 20	EN 20	EN 20
	Air/Elec dual starter motor ⁽¹⁾	SO 005	SO 005	SO 005
	Elec/Elec dual starter motor ⁽¹⁾	SO 007	SO 007	SO 007
	IP 23 single bearing alternator, T° class =H, insulation class H/H	•		•
	Anti condensation resistor	AL 01	AL 01	AL 01
	Reinforced insulation	AL 05 ⁽⁷⁾		***
ğ	Reinforced insulation and finish	AL 06	AL 06	AL 06
altemator	Stator PTC sensor Bearing PTC sensor	AL 07 AL 08	AL 07 AL 08	AL 07 AL 08
吊	Stator PT 100 sensor	AL 09	AL 09	AL 09
	Bearing PT 100 sensor	AL 10	AL 10	AL 10
	Synchronising CT coupling + 3 function regulator	AL 10 O ⁽²⁾	O ⁽²⁾	O ⁽²⁾
	Synchronising Circoupling + 3 function regulator Oversized alternator	AO 001B	AO 001B	AO 001B
4 4		NO 001B	AC OUTB	AU 00 IB
genera- ting set	Mechanically welded base frame with antivibration dampers			
ii ge	Supplied in colour RAL 9005/5007 (black/blue) delivered in shrink-wrap film			
	Supplied with oil and coolant -30°C		■ (8)	■ [S]
a	Automatic oil top up with tank	EN 18	EN 18	EN 18
8	Oil centrifuge system	X	EN 19	EN 19
	Oil drainage pump			
	Radiator for wiring T° of 46°C max with mechanical fan (5)	■ (4)	X	X
	Radiator for wiring T° of 50°C max with mechanical fan (5)	(3)	X	X
	Air cooler for wiring temperature of 38°C with electric fan (5)	X		X
Ē	Air cooler for wiring temperature of 47/50°C with electric fan [5]	Х	X	
cooling	Damper on air cooler	X	CZ 003	CZ 003
	Supplied without coolant	FD 11		
	Protective grille for fan and rotating parts			
	Protective grille for radiator wiring harness	EN 14	X	X
	Stainless steel compensators			•
exhaust	9 dB(A) silencer supplied separately	EN 07	EN 07	EN 07
美	29 dB(A) silencer supplied separately	EN 08	EN 08	EN 08
Ψ Ψ	40 dB(A) silencer supplied separately	EN 09	EN 09	EN 09
	Protective grille for hot parts	CEL 02	X	X
_	24 V charging alternator and starter motor	•	EN 17	• EN 17
starting	No charging alternator Batteries with cables and battery support bracket	X SO 001	SO 001	EN 17 SO 001
ata.	Batteries with capies and battery support bracket No battery and battery support bracket	20 001	20.001	30 001
0,	Battery isolating switch	2 EN 16	EN 16	EN 16
	Generating set without fuel tank	LINIO	ENTO	ENTO
	500 I base frame fuel tank	FD 03	X	X
	Separate fuel tank on 500 l container	FD 06	FD 06	FD 06
	Separate fuel tank on 1000 I container	FD 07	FD 07	FD 07
핗	Retention container level alarm	FD 14	FD 14	FD 14
diesel	I m3/h pump auto kit I	FD 08	FD 08	FD 08
	1m3/h pump auto kit 2	FD 09	FD 09	FD 09
	4m3/h pump auto kit 2	FD 10	FD 10	FD 10
	Diesel separator pre-filter	•		•
	Fuel coolant system	Х	EO 006	EO 006
	User manual and commissioning guide (paper version) - French, English or Spanish	•		•
	User manual and commissioning guide (paper version) - French, English or Spanish 🕅		AD 21	AD 21
Ñ	User manual and commissioning guide (CD version) - French, English or Spanish		AD 22	AD 22
SSO	Engine parts catalogue (paper version) - English	AD 31	AD 31	AD31
accessories	Engine parts catalogue (CD version) - English	AD 32	AD 32	AD 32
16	Engine repair and workshop manual (paper version) - English	AD 41	AD 41	AD 41
	Engine repair and workshop manual (CD version) - English	AD 42	AD 42	AD 42
	GENSERVICE replacement parts	0	0	0







As standard Not available

contact us Option code

Several possible options

2 EN16 Battery isolating switch





No control unit available for this option Synchronising CT coupling not required for Mics KERYS

Only from X 700 to X 1000 Only from X 1100 to X 1250

Outdoor ambient temperature, reduce by approximately 7°C

Standard for X 1100 and X 1250 Supplied only with oil

The CONTENERGY concept 50Hz 60Hz

CONTENERGY

The CONTENERGY concept offers a range of soundproof containers featuring a multitude of

Thanks to their standard dimensions, **CONTENERGY** containers are easy to transport and, once on site, very simple to install: we would recommend that you install them outside the building on a concrete floor plate fitted with a tunnel for the cables and pipes.

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

SDMO understands the many factors that have an influence on your equipment's operation. That is why our containers are designed to withstand harsh climate conditions.

Whether your equipment needs to operate in extreme cold or tropical environments, let us know your requirements - we are sure to have the solution you're looking for.

Trailers compliant with international standards are also available, allowing you to transform your generating set into a mobile unit (please contact us)



CT 011 Free option

M427



Conternergy

INTRODUCTION

CONTENERGY

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.

They are available in two sizes: 20 and 40 feet "High Cube".

CONTENERGY CIR

CIR type containers are specially designed with mobile and rental applications in mind. This highly compact $_{\star}$ model has a very low sound level and features an optional high volume tank, giving it up to 10 hours of autonomy.

This model is available as a 20 feet "High Cube"



To protect the environment, our containers may be fitted with an optional retention container to hold all engine fluids.

Our containers comply with all current standards and regulations governing these products, including:

- ISO 668
- NF90-005
- NF ISO 1496-1 (ISO 8323)



Concreting set type	Engino	SILENT	SILENT	SUPER SILENT	SUPER SILENT
Generating set type	Engine	85 - 88 dB(A)@1 m	85-88 dB(A)@1 m	78 - 80dB(A)@7 m	81 - 83 dB(A)@7 m
X700UC2 to X880C	12V2000	ISO 20 Si	X	CIR 20 SSi	Х
X900UC2 to X1100C	16V2000	ISO 20 Si	X	CIR 20 SSi	Х
X1200UC2 to X1250C	18V2000	ISO 20 Si	X	CIR 20 SSi	Х
X1540C to X2000C	12V4000	ISO 40 Si	EUR 40 Si	X	EUR 40 SSi
X2000UC2 to X2500C	16V4000	ISO 40 Si	EUR 40 Si	X	EUR 40 SSi

basic and options

As standard

Standard containers

Basic and options Base member		BASIC AND OPTIONS	EQUIPMENT							
Bozos Bosos Boso		Davis and setting		SILENT		SUPER	SILENT			
Starter motor, 24 V charging alternator SO 001 SO SS		Basic and options	ISO 20 Si	ISO 40 Si	ISO 40 Si	CIR 20 SSi	EUR 40 SSi			
Batteries filled with electrolyte SO 001 S		Base member								
Standard air filter		Starter motor, 24 V charging alternator			•		•			
Standard air filter	asic	Batteries filled with electrolyte	SO 001							
Type of soundproofing Si Si Si Si Si Si Si S	ш -	Standard air filter	•	•	•		•			
High performance integrated 30 dB A silencer Floor Bulb plate		Oil drainage pump	•	•	•	•	•			
Floor Bulb plate Bulb pla		Type of soundproofing	Si	Si	Si	SSi	SSi			
Special colour from list		High performance integrated 30 dB(A) silencer	•	•	•	•	•			
Special colour from list	SUG	Floor	Bulb plate							
Special colour from list	Gar	Number of doors	2	2	2	3	3			
Special colour from list	g	Galvanised air outlet rain grille	CT 005	CT 005	CT 005	•	•			
Special colour from list	er sp	Safety lighting and shut-off valve	CT 007							
Special colour from list	E E	Exhaust outlet on bracket	CT 011							
Power cable outlet on lower section	9	RAL 9010 white painted finish for container	•	•	•	•	•			
Retention container under container assembly CT 014		Special colour from list	CT 016							
Sol I chassis tank		Power cable outlet on lower section	CT 015	CT 015	CT 015	CT 015	X			
Tank on container [5001]		Retention container under container assembly	CT 014							
Tank on container (2000 X		500 I chassis tank	•	Х	X	•	X			
External terminal block CT 018		Tank on container (500 I)	X	•	•	Х	•			
TENS central console	To	Tank on container (2000 I)	X	Х	X	CT 017	CT 017			
1m³/h pump auto kit 2	2	External terminal block	CT 018	Х	X	CT 018	CT 018			
Mani/n pump auto kit 2		1m³/h pump auto kit 1	CT 008							
CE compliance of the control unit		1m³/h pump auto kit 2	X	CT 009	CT 009	X	CT 009			
TELYS central console CM 40 CM 40 CM 40 CM 40 CM 40 CM 60 CA 600		4m³/h pump auto kit 2	X	CT 010	CT 010	Х	CT 010			
S 5 KERYS control unit	<u></u>	CE compliance of the control unit		•	•		•			
	탈	TELYS central console	CM 40							
Length (mm) 6058 12192 12192 6058 12192 W/dth (mm) 2438 2438 2438 2438 2438 Height (mm) 2896 2896 2896 2896 2591	5 -	KERYS control unit	CA 600							
Width (mm) 2438 2438 2438 2438 2438 Height (mm) 2896 2896 2896 2896 2591	OUS	Length (mm)	6058	12192	12192	6058	12192			
Height (mm) 2896 2896 2896 2896 2591	ensi	Width (mm)	2438	2438	2438	2438	2438			
	Ö	Height (mm)	2896	2896	2896	2896	2591			

ENCLOSURE

Option code

If you wish to soundproof a generating set fitted with an MTU-DDC 12V2000 or 16V2000 engine, while keeping the size to a minimum, you should choose the M427 enclosure.

This will enable you to mount the assembly inside a 40 feet "High Cube" container to facilitate transportation.

Not available

ENCLOSURE	Sį	pecifications	50 Hz		6	0Hz specifio	General specifications				
	ENCLOSORE	Generating set type	dB(A)@1m	dB(A)@7m	Weight	Generating set type	dB(A)@1m	dB(A)@7m	Weight	Dimension lxwxh	Fuel
	427	X715/X715C	X715C 90 80 7836		X700UC2	94	85	7836	6.4x2.17x2.72	930	
	427	X880/X880C	91	81	8036	X800UC2	94	85	8236	6.4x2.17x2.72	930
	427	X1000/X1000C	90	80	8604	X900UC2	95	86	8604	6.4x2.17x2.72	930
	427	X1100/X1100C	91	81	8709	X1000UC2	95	86	8909	6.4x2.17x2.72	930



electrical control units

Three control units are available in our 650 to 3000 kVA range: the M80, the TELYS (previous pages) and the KERYS.

Your control unit can be chosen according to your equipment type and perfectly adapted to suit your needs using the available options. This modularity is made even easier by the fact that each optional peripheral device (air cooler, daily service tank, oil top-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.

The M80 control unit has a dual functionality. 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.

TELYS

Telys, SDMO's flagship product, integrates new options and offers improved ergonomics and a more user-friendly design. It is even more straightforward, with the emphasis on communication (USB connections, PC connections, control software and remote operation).

Its design, inspired by the NEXYS, has reduced the number - Card tropicalisation possible to compensate for of buttons to offer you simplicity when operating your generating set. It also offers new functions:

- Integrated maintenance monitoring programme (on-screen display of required maintenance operations)
- On-board service tool to guide the user when a warning or fault is detected
- Viewing and remote control functions with option to send^(b) an E-mail, text message or fax in the event of a warning or a fault

extremely humid conditions (b)

- Compliance with numerous legal and regulatory requirements (EC)

- Screen with contrast which adjusts to all types of light

Generating set start button

T.e'L YS

button Scrolling and

(b) As an option



		BASIC TERMINAL BLOCK	M 80
Measurements	Tachometer (54 mm)	X	•
	Oil pressure gauge	X	•
Engine parameters	Coolant temperature indicator	X	•
	Oil temperature indicator	X	0
Controls	Emergency stop	•	•
	CE compliant	•	•
Miscellaneous	Customer connection terminal block	•	•

Display screen composed of 4 zones:

(generating set running/auto/manual)

ZONE 2: Display of functions via pictograms

ZONE 3: Display of mechanical and measurements

ZONE 4: Operating messages and parameter settings menu





electrical control units

KERYS

The KERYS command and control unit has been designed to fulfil the specific requirements of professionals in terms of managing and monitoring generating sets. It therefore offers a wide range of functions.

This control unit is fitted as standard to all generating sets designed to be used for coupling and is offered as an option across the rest of our range.

The KERYS can be built into the central console, fitted directly on the generating set, or in a separate cabinet, to fulfil all the requirements for low and high output power plants.

AUTOMATIC CONTROLLER DEDICATED TO GENERATING SET APPLICATIONS

- Choice of a range of basic standard configurations.
- Additional logics can be added without any external
- · Library of functional modules.

FAULT FINDING HELP

- Validation of operation by simulation.
- Display of the status of variables.
- Breakdown quide with keyword search.

ASSISTANCE AND MAINTENANCE

- Emails sent automatically for maintenance requests, and for the appearance of alarms or faults.
- Log of operations carried out (maintenance or breakdown).

LOAD IMPACTS

Improvement of generating set performance during application of a significant load.

GRAPHS AND ARCHIVING OF ELECTRICAL AND MECHANICAL PARAMETERS

Adjustable sampling and configurable triggering criteria.

COMPLIANCE WITH INTERNATIONAL STANDARDS

The KERYS has undergone very stringent tests in independent laboratories (climatic tests. electromagnetic compatibility tests, vibration tests, etc.) It is CE compliant.

MMI (MAN-MACHINE INTERFACE)

Man-machine interface module

The man-machine interface is available with a colour screen and a 7-inch touch panel. The MMI module is equipped with all the keys required to ensure the generating set can be controlled and the system configured, thanks to a screen navigator and an alphanumeric keypad.

Display screen:

7.4 inch LCD TFT display Detailed colour display Touch screen Dimensions: 154 x 86 mm

Alphanumeric keypad For setting parameters,

navigation and direct



with display LEDs

Manual mode selection Stop mode selection Automatic mode selection Generating set circuit breaker

Test activation/deactivation Grid circuit breaker open/close

Horn off

Clear faults

GENERATING SET AUTOMATIC CONTROL

- Single generating set or as part of power plant
- Operation in HT (high tension) or LT (low tension)
- Normal/Emergency operation
- Operation in permanent or temporary grid coupling without
 - During peak shaving,
 - During trials or tests.
- Inverted emergency operation
- Power production unit

MEASUREMENTS AND DISPLAYS

- Pressures and levels, depending on engine configuration

Electrical:

- Voltages,
- Currents.
- · Frequency and power,
- · Power factor,
- Mechanical and electrical metering.

SAFETY FEATURES

- Mechanical:
- Flectrical: Currents
- · Speed, Voltages
- Outputs.
- Special customer features. Frequency
 - Micro cut-outs.

COMMUNICATION

- Built-in web server
- User-friendly man-machine interface
- 5 basic languages (French, English, Spanish, Portuguese, German), one of which is interchangeable (please consult us)
- Ethernet Port
- Dialogue with all engines equipped with a built-in ECU
- RS 485 port for Modbus RTU
- RS 232 port
- Option of PSTN communication (Public Switched Telephone Network)

CONTROLS

Mechanical:

- Speed,
- Coupling,
- Distribution or setting of grid or generating set active power,
- Wattmetric programming

Electrical:

- Voltage,
- Voltage equalising.
- Distribution or setting of grid or generating set reactive power.
- Adjustment of the grid or generating set power factor (cos Phil.

Other physical values...



3- Graph display



2- Synchronisation screen



4- Mechanical measurements screen

power modules

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.

Rating		1250 A	1600 A	2000 A	2500 A	3600 A
With manual control on the front						
Fixed 3-pole po	ower circuit breaker	0	0	0	0	0
Fixed 4-pole po	0	0	0	0	0	
Motorised control option (1)						
With 3 or 4-pole open	circuit breaker only	0	0	0	0	0
	•	•	•	•	•	
Au	0	0	0	0	0	
Power c	•	•	•	•	•	
Remote co	•	•	•	•	•	
	Protection index	IP 207				
	height (mm)	1260	1260	1260	1260	1260
DIMENSIONS (without air cooler unit)	width (mm)	683	683	683	683	683
(With locate till cooler cirrie)	depth (mm)	365	365	365	365	365
	height (mm)	1664	1664	1664	1664	1664
DIMENSIONS (with air cooler unit)	width (mm)	683	683	683	683	683
(viareii coolei ariit)	depth (mm)	365	365	365	365	365
DIMENSIONS	height (mm)	1883	1883	1883	1883	1883
(with connection unit	width (mm)	683	683	683	683	683
on upper section	depth (mm)	365	365	365	365	365

1) The motorised control includes a closure solenoid valve, a shunt trip coil

air cooler output - fuel pump unit output

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

 Standard O Option

connection unit without air cooler unit

connection unit with air cooler unit ith integrated air cooler unit on the lower section if necessary)





SDMO provides 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⁾
V	'oltage	208 -44 0V	•	•	•	•	•	•
Cha	angeover	By changeover switches	•	•	•	•	•	•
		Heights (mm)	1000	1000	1000	1800(2)	1800(2)	1800(2)
Din	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

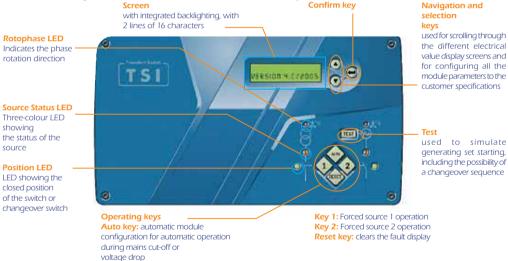
(2) On a base plate h=200 mm, i.e. control box of height 1600 + 200

Both innovative and original in design, the TSI is perfectly suited to applications where the transfer of a main source to a replacement source is crucial for the running of your installations.

Straightforward and easy to use, the special feature of this module is that it is automatically configured when voltage is provided from the grid

By simply pressing the AUTO key, the following parameters are configured: grid voltage, voltage min/max thresholds, type of use, frequency min/max thresholds.

Electronic switching of the power source means that the unit can be continuously self-supplied.



TSI MODULE

2 lines on the screen, enabling simultaneous display of the voltage on the grid side and the generating set side. The same applies to the frequency. 6 LEDs provide instantaneous information on the position status of both of the two 2 sources, along with any alarms and faults which arise. The TSI also offers 3 configurable inputs and 2 outputs, as an option.

Communication

showing

source

In addition to a wire connection enabling dry contact remote starting with all SDMO command/control units (Telys, Kerys), the TSI module also has a CAN bus which enables it to communicate with the Kerys.

This connection allows all information relating to the grid and the starting order following a variation in voltage to be sent to the Kerys.