



PACIFIC II

MITSUBISHI ENGINE

50HZ 60HZ

1250-2650 kVA | 1200-2000 kW_e

THE ENERGY SOLUTION FOR YOUR INDUSTRIAL APPLICATIONS

KOHLER[®]
SDMO[®]

MK-PP-PA-DO-EN-181



KOHLER

HEADQUARTERS AND PRODUCTION SITE
KOHLER, WI

CLARKE ENERGY

HEADQUARTERS
UNITED KINGDOM

SDMO INDUSTRIES

HEADQUARTERS AND 2 PRODUCTION SITES
FRANCE

PROVIDING PEOPLE WITH THE ENERGY THEY NEED WHEREVER THE NEED ARISES

From offshore drilling platforms to harsh desert conditions, from building sites to the most exacting industries, KOHLER-SDMO generating sets have proven their performance and reliability time and time again. Dedicated solely to generating sets, KOHLER-SDMO is one of the world's leading manufacturers in

the field. Part of a major international group, it benefits from the support of an extensive distribution network. KOHLER-SDMO currently boasts one of the largest product offerings on the market, positioning itself as a true energy solutions provider.

FURTHER ACROSS THE WORLD CLOSER TO YOU

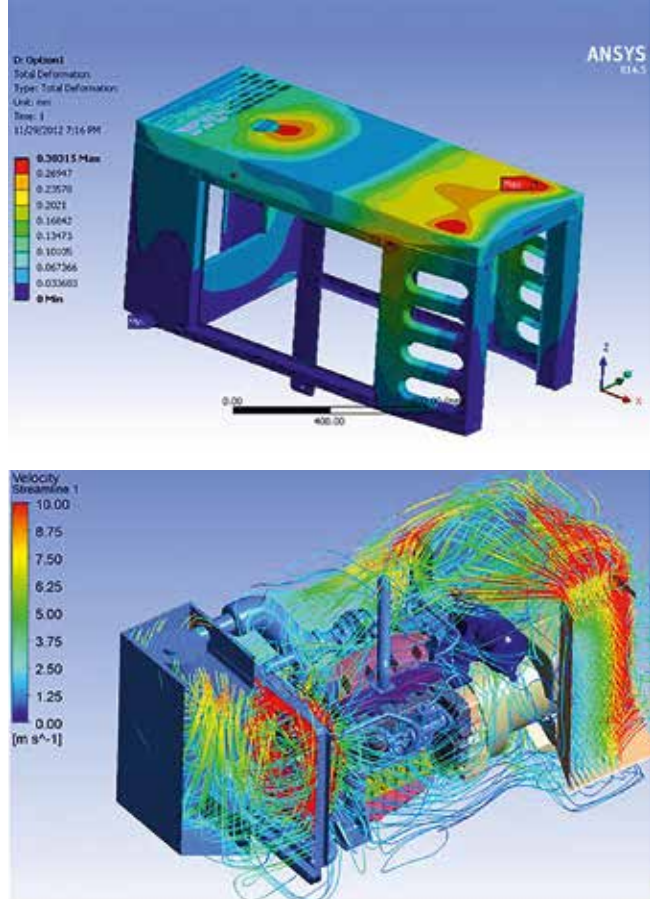
Going further to support you, remaining closer to your needs, SDMO Industries deploys its international network across 130 countries.

KOHLER Group – POWER SYSTEM

- ▶ SDMO Industries headquarters in France
- ▶ KOHLER headquarters in the USA
- ▶ Clarke Energy headquarters in the UK
- ▶ 6 production sites
(France, USA, Brazil, Singapore, India, China)

SDMO Industries

- ▶ 12 subsidiaries and offices worldwide
- ▶ 198 distributors in Europe, Africa, the Middle East and South America



KOHLER-SDMO EXPERTISE BENEFITING THE POWER PRODUCTS RANGE

KOHLER-SDMO invests heavily in Research & Development, with a view to anticipating demand and offering you the most innovative and high-performance energy solutions on the market.



DESIGN OFFICES USING THE LATEST TECHNICAL INNOVATIONS

The Research & Development cell is home to 140 specialist mechanical, electrical and electronic engineers. The teams are able to anticipate future requirements, and receive ongoing training in the latest 3D modeling, structural calculation, and structural constraints tools, and thermodynamic, acoustic and electrical simulators. This guarantees that the energy solutions you adopt will be at the leading edge of innovation, offering the best performance on the market.

MODERN FULLY CERTIFIED FACTORIES



- ▶ All KOHLER-SDMO generating sets are manufactured in France.
- ▶ In its extensive premises (over 38,000 m²), KOHLER-SDMO has advanced operational equipment, with factories certified to ISO 9001 and 14001.

A CUTTING EDGE LABORATORY

- ▶ ISO 17025 accredited since 2009, the KOHLER-SDMO lab uses a testing procedure validated and calibrated by COFRAC. It conducts 5 main types of testing:
 - Thermal balance calculations (cooling)
 - Sound level measurements (measurement method as per Directive 2000/14/EC and ISO 8528-10)
 - Electrical checks (EN 12601-ISO 8528)
 - Project-specific tests (coupling boards, load/shedding impact (standard ISO 8528-5, performance classes G1/G2/G3))
 - Production control (compliance with Directive 2000/14/EC, sourced products, etc.)
- ▶ The laboratory has access to the most advanced tools, with dedicated facilities set over 2000 m², including: a prototype construction area with a 20-ton crane, 3 test benches with control rooms, and a noise emissions area covering 1000 m²...



Tous les produits SDMO Industries sont certifiés par un laboratoire accrédité ISO 17025

POWER PRODUCTS FROM 1250 TO 2650 KVA

MITSUBISHI ENGINES



T1650C → OPEN VERSION



CPU40 → Silent (SI) or Super Silent (SSI)
L x w x h: 12.19 x 2.44 x 2.90 m – 500 L fuel tank

SPECIFICATIONS 50 HZ - 400-230 V

Generating sets ⁽¹⁾	VOC ⁽³⁾	T1250	T1400	T1540	T1650	-	T1900	T2100	T2200	-	T2500	-	T2650
	VOE ⁽⁴⁾	-	-	-	-	T1650C	-	-	-	T2200C	-	T2500C	-
kVA Cos phi 0.8 ⁽¹⁰⁾	PRP ⁽⁵⁾	1136	1275	1400	1500	1500	1727	1909	2050	2000	2273	2273	2413 ⁽¹¹⁾
	DCP ⁽⁶⁾	1136	1275	1400	1500	1500	1727	1909	2050	2000	2273	2273	2413 ⁽¹¹⁾
	ESP ⁽⁷⁾	1250	1403	1540	1650	1650	1900	2100	2255	2200	2500	2500	2650
Cons. 3/4 at PRP (L/h)	VOC ⁽³⁾	193	208	218	240	-	260	314	324	-	370	-	371
	VOE ⁽⁴⁾	-	-	-	-	240	-	-	-	326	-	370	-
Engine	Engine type	S12R PTA	S12R PTA	S12R PTA2	S12R PTA2	S12R F1PTAW2	S16R PTA	S16R PTA2	S16R PTA2	S16R F1PTAW2	S16R2 PTAW	S16R2 F1PTAW	S16R2 PTAW-E
	CC (qty and configuration)	12V	12V	12V	12V	12V	16V	16V	16V	16V	16V	16V	16V
	Total cubic capacity (L)	49.03	49.03	49.03	49.03	49.03	65.37	65.37	65.37	65.37	79.90	79.90	79.90
Open version ⁽²⁾	Dimensions	L (m)	4.33	4.33	4.42	4.98	5.09	5.52	5.60	4.58 ⁽¹²⁾	6.09	6.09	6.09
		W (m)	2.00	2.00	2.00	2.25	2.20	2.29	2.29	1.90 ⁽¹²⁾	2.36	2.36	2.36
		h (m)	2.37	2.37	2.37	2.46	2.39	2.48	2.48	2.39 ⁽¹²⁾	2.40	2.40	2.40
	Weight (kg) ⁽⁸⁾	9736	10076	10296	10870	12043	12979	12979	14215	12160 ⁽¹²⁾	15500	15500	16000
Containers	ISO20 SI	dB(A) at 7 m ⁽⁹⁾	80	80	80	-	89	-	-	-	-	-	-
		Weight (kg) ⁽⁸⁾	14220	14560	4860	-	17307	-	-	-	-	-	-
	ISO20 SSI	dB(A) at 7 m ⁽⁹⁾	73	73	73	-	76	-	-	-	-	-	-
		Weight (kg) ⁽⁸⁾	14810	15150	15450	-	17897	-	-	-	-	-	-
	ISO40	dB(A) at 7 m ⁽⁹⁾	-	-	-	-	83	84	85	85	-	-	-
		Weight (kg) ⁽⁸⁾	-	-	-	-	22760	19660	23090	22700	-	-	-
	CPU40 SI	dB(A) at 7 m ⁽⁹⁾	-	-	-	-	78	80	80	-	80	82	82
		Weight (kg) ⁽⁸⁾	-	-	-	-	22440	23444	23444	-	25160	(13)	(13)
	CPU40 SSI	dB(A) at 7 m ⁽⁹⁾	-	-	-	-	72	74	74	-	74	-	-
		Weight (kg) ⁽⁸⁾	-	-	-	-	22990	23994	23994	-	25710	-	-

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

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

(3) VOC: Consumption Optimization Variant

(4) VOE: Emissions Optimization Variant

(5) PRP: prime power available continuously with variable load for an unlimited time in accordance with

ISO 8528-1. An overload capacity of 10% is available for one hour every twelve hours.

(6) DCP: Data Center Continuous Power applies to installations in data centers where a reliable power infrastructure is available. This definition complies with the requirements of the Uptime Institute Tier III and IV.

At constant or variable load, the generating set can run for an unlimited number of hours. Power in accordance with the ISO 8528-1, ISO 3046-1, BS 5514 and AS 2789 standards. Average load factor: ≤ 100 %

(7) ESP: standby power available for emergency use under variable load, in accordance with ISO 8528-1,

no overload available under this service

(8) Dry weight – without fuel

(9) at ¾ load

(10) ISO 8528: power expressed in accordance with the legislation in force

(11) LTP power, 500 h maximum per year

(12) Dimensions of the generating set without the cooling system (separate air cooler)

(13) To be confirmed

- ▶ Generating sets in the PACIFIC range feature a winning combination: robust design and ease of use.
- ▶ All generating sets in the PACIFIC range are available with DCP power for data centers.

FROM 1200 TO 2000 KWE



T1350U ▶ OPEN VERSION



- ISO20** ▶ Silent (SI)
L x w x h: 6.06 x 2.44 x 2.90 m – 500 L tank
Super Silent (SSI)
L x w x h: 9.15 x 2.44 x 2.90 m – 500 L tank

ALSO AVAILABLE IN 40-FOOT VERSION: ISO40 (SILENT)
L x w x h: 12.19 x 2.44 x 2.90 m – 500 L fuel tank

SPECIFICATIONS 60 HZ - 480-227 V

Generating sets ⁽¹⁾	VOC ⁽⁴⁾		T1200U	T1350U	T1600U	T1800U	T2000U
	VOE ⁽⁵⁾		-	-	-	-	-
kWe ISO 8528 ⁽²⁾	PRP ⁽⁶⁾		1091	1228	1454	1636	1818
	DCP ⁽⁷⁾		1091	1228	1454	1636	1818
	ESP ⁽⁸⁾		1200	1350	1600	1800	2000
Cons. 3/4 at PRP (L/h)	VOC ⁽⁴⁾		229	250	294	346	357
	VOE ⁽⁵⁾		-	-	-	-	-
Engine	Engine type		S12R-PTA	S12R-PTA2	S16R-PTA	S16R-PTA2	S16R-PTAA2
	CC (qty and configuration)		12V	12V	16V	16V	16V
	Total cubic capacity (L)		49.03	49.03	65.37	65.37	65.37
Open version ⁽³⁾	Dimensions	L (m)	4.31	4.42	5.52	5.52	5.60
		W (m)	2.00	2.00	2.29	2.29	2.29
		h (m)	2.37	2.37	2.48	2.48	2.56
	Weight (kg) ⁽⁹⁾		10076	10296	12979	12979	13970
Containers	ISO20 SI	dB(A) à 7 m ⁽¹⁰⁾	83	83	-	-	-
		Poids (kg) ⁽⁹⁾	14560	14860	-	-	-
	ISO20 SSI	dB(A) à 7 m ⁽¹⁰⁾	78	78	-	-	-
		Poids (kg) ⁽⁹⁾	15150	15150	-	-	-
	ISO40	dB(A) à 7 m ⁽¹⁰⁾	-	-	85	86	86
		Poids (kg) ⁽⁹⁾	-	-	22760	19660	⁽¹¹⁾
	CPU40 SI	dB(A) à 7 m ⁽¹⁰⁾	-	-	80	80	-
		Poids (kg) ⁽⁹⁾	-	-	23444	23444	-
	CPU40 SSI	dB(A) à 7 m ⁽¹⁰⁾	-	-	75	75	-
		Poids (kg) ⁽⁹⁾	-	-	23994	23994	-

(1) Also available in the following voltages: 440/254 V and 380/220 V

(2) ISO 8528: power expressed in accordance with the legislation in force

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

(4) VOC: Consumption Optimization Variant

(5) VOE: Emissions Optimization Variant

(6) PRP: prime power available continuously with variable load for an unlimited time in accordance with ISO 8528-1. An overload capacity of 10% is available for one hour every twelve hours.

(7) DCP: Data Center Continuous Power applies to installations in data centers where a reliable power infrastructure is available. This definition complies with the requirements of the Uptime Institute Tier III and IV.

At constant or variable load, the generating set can run for an unlimited number of hours. Power in accordance with the ISO 8528-1, ISO 3046-1, BS 5514 and AS 2789 standards. Average load factor: ≤ 100 %

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

(9) Dry weight – without fuel

(10) at ¾ load

(11) To be confirmed

OPTIONS

MODULAR GENERATING SETS, AN ADAPTED RESPONSE

For each of its generating sets, KOHLER-SDMO offers a large range of options to facilitate maintenance operations, enhance user safety and provide solutions for specific user requirements and demanding environments.

ENGINE	4 stroke water-cooled diesel engine	•
	Electronic control device	•
	Standard air filter	•
	Air filter with interchangeable cartridge	0 ⁽¹⁾
	220/240 V preheating resistance (no control)	0
ALTERNATOR	IP 23 single bearing alternator, T° class = H, insulation class H/H	•
	Anti-condensation resistor	0
	Type D impregnation	•
	Type R impregnation	0
	Synchronizing CT coupling + 3-function regulator or D510 regulator	0 ⁽²⁾
	Oversized alternator	0
GENERATING SET	CE compliance of the control unit	•
	Mechanically welded base frame with antivibration dampers	•
LUBRICATION	Automatic oil make up with tank	0
	Oil drainage pump	•
COOLING	Protective grille for fan and rotating parts	•
EXHAUST	Stainless steel compensators	•
	9 dB(A) silencer supplied separately	0
	29 dB(A) silencer supplied separately	0
	40 dB(A) silencer supplied separately	0
STARTING	24 V charging alternator and starter motor	•
	Batteries with cables and battery support bracket	0
	Battery isolating switch	0
FUEL	Genset with fuel tank	0 ⁽³⁾
	Separate fuel tank on 500 L container	0
	Separate fuel tank on 1000 L container	0
	Retention container level alarm	0
	1 m³/h 1-pump auto kit	0
	2 m³/h 2-pump auto kit	0
	Diesel separator pre-filter	0

(1) Except T1650C. Contact us for containers or enclosures

(2) Not necessary with APM802

(3) Up to T1650C

• As standard

0 Optional

1 DIESEL SEPARATOR PRE-FILTER

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

2 FILTERS WITH INTERCHANGEABLE CARTRIDGE

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

3 OVERSIZED ALTERNATOR

For installations with significant electrical or climate constraints, this option allows greater operating flexibility for a better guarantee of performance.

4 IMPREGNATION

- Type D: for tropical type environments with relative humidity > 95 %, outside coastal areas
- Type R: for harsh industrial environments with humidity > 95 % and coastal environment

5 SILENCER ON OPEN VERSION

For "open" version generating sets, three noise attenuation levels are available (9 dB(A), 29 dB(A), 40 dB(A)) to meet the installation constraints.

6 AUTOMATIC OIL MAKE UP WITH TANK

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

7 AUTOMATIC FUEL FILLING KIT

This kit allows the fuel tank to be automatically filled from an external storage tank. It includes:

- an electric pump with automatic control governed by a gage with level contacts
- a stand-by manual pump.

1 ►



2 ►



3 ►



5 ►



6 ►



7 ►





CONTAINERS

A VERSATILE RANGE OF SOUNDPROOFED CONTAINERS

You are faced with numerous installation constraints. Our containers can be adapted to meet all your needs. Thanks to their standard dimensions, they are easy to transport. Our turnkey containers have an integrated fuel tank which means they are ready to run. Their coolant system, with an integrated silencer and sound traps, provides a highly economical solution.

ISO CONTAINERS

ISO containers are adapted to emergency applications with no harsh environmental constraints.

Available in 20- and 40-foot High Cube versions



CSC* certified



Adapted to
standard
environments

PRODUCT BENEFITS

► FLEXIBLE INTEGRATION

► SUPER SILENT OPTION ON THE 20-FOOT ISO VERSION

includes soundproofed walls and external sound traps on the air inlets and outlets. These baffles are fitted on site.



CPU CONTAINERS

CPU type containers are designed to be adapted to the most demanding environments. Robust and modular, they are specially conceived to meet the very stringent constraints of production applications.

Available as 40-foot High Cube
(Silent and Super Silent versions)



CSC* certified



Double maintenance door



Harsh atmospheres
(heat, dust)

PRODUCT BENEFITS

- ▶ **LOW SOUND LEVEL**
- ▶ **SIMPLIFIED MAINTENANCE**
- ▶ **NO LOSS OF POWER UP TO 40 °C**
- ▶ **ACCESSIBILITY OF THE CONTROL/COMMAND AND POWER SUPPLY DEVICES**
- ▶ **SHORT PRODUCTION LEAD TIMES**



MODEL	ISO CONTAINERS	CPU CONTAINERS
Dimensions	20-foot High Cube 40-foot High Cube	40-foot High Cube
CSC* certified	Yes	Yes
Standard sound level at 50 Hz, at 7 m, 3/4 load	- 80 to 89 dB(A) with Silent option - 73 to 76 dB(A) with Super Silent option**	- 78 to 82 dB(A) with Silent option - 72 to 74 dB(A) with Super Silent option
Double maintenance door	No	Yes
Target environments	Standard environment	Harsh atmospheres (heat, dust)

*CSC: the International Convention for Safe Containers (CSC) is a regulation that ensures containers used for transporting goods retain the specifications required to "...maintain a high level of safety of human life in the handling, storage and transport of containers" over time.

**with the Super Silent soundproofing kit option



STANDARD EQUIPMENT AND OPTIONS FOR CONTAINERS

		SILENT			SUPER SILENT	
		ISO20 Si	ISO40 Si	CPU40 Si	ISO20 SSI	CPU40 SSI
Generating set	Complies with CSC certification	•	•	•	•	•
	Base member	•	•	•	•	•
	Starter, charging alternator	•	•	•	•	•
	Batteries filled with electrolyte	0	0	0	0	0
	Standard air filter	•	•	•	•	•
	Oil drainage pump	•	•	•	•	•
Filtration	Reinforced fuel filtration	X	X	0	X	0
Container specifications	High performance 30 dB(A) silencer	● ⁽¹⁾	● ⁽²⁾	● ⁽²⁾	● ⁽¹⁾	● ⁽²⁾
	Integrated exhaust module	X	X	0	X	0
	Floor	Steel sheet	Steel sheet	Steel sheet	Steel sheet	Steel sheet
	Number of side doors	2	2 + 1 double	2 + 2 double	2	2 + 2 double
	Galvanized air outlet protective rain louvers	0	0	X	0	X
	Air inlet protective rain louvers	•	•	•	•	•
	Safety lighting and shut-off valve	0	0	0	0	0
	Exhaust outlet on clamp	0	X	X	0	X
	RAL 9010 white painted finish for container	•	•	•	•	•
	Special color from list	0	0	0	0	0
	Power cable outlet on lower section	0	0	•	0	•
Fuel	Retention container under genset assembly	•	•	•	•	•
	500 L base frame fuel tank	•	•	X	•	X
	Tank on 500 L container	X	X	•	X	•
	Tank on 1000 L container	X	X	0	X	0
	1500 L base frame tank ⁽⁴⁾	0	0	X	0	X
	1 m³/h 1-pump auto kit	0	0	0	0	0
	1 m³/h 2-pump auto kit	X	X	0	X	0
Control units	CE compliance of the control unit	•	•	•	•	•
	APM403 central console	0	0	0	0	0
	APM802 central console	0	0	0	0	0
Dimensions	Length (mm)	6058	6058	12192	9148	12192
	Width (mm)	2438	2438	2438	2438	2438
	Height (mm)	2896	2896	2896 ⁽³⁾	2896	2896 ⁽³⁾

• As standard
X Not available

0 Optional
(1) Inside the container

(2) on the container roof
(3) excluding silencer

(4) up to 1100 kVA only

CONTROL UNITS

M80, APM403, APM802: ONLY FROM KOHLER-SDMO

KOHLER SDMO offers a unique range of specific control units: M80, APM403 and APM802.

These control units offer a wide range of possibilities, from simplified running to management of the most complex parallel 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, fuel pump, 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	APM403 S/P	APM802
DISPLAY			
Frequency	X	•	•
Phase to neutral voltages	X	•	•
Phase to phase voltages	X	•	•
Currents	X	•	•
Active/reactive/apparent power	X	•	•
Power factor	X	•	•
Grid detection	X	• (P)	•
Battery voltage	X	•	•
Battery amperage	X	0	0
Start-up delay	X	•	•
Fuel level	X	•	•
Oil pressure	•	•	•
Coolant temperature	•	•	•
Oil temperature	X	0	0
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 time delay	X	•	•
Min/max alternator frequency time delay	X	•	•
Min/max battery voltage	X	•	•
Overload and/or short circuit	X	•	•
Active/reactive power return	X	X (S) / • (P)	•
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	X	•	•
General alarm	X	•	•
General fault	X	•	•
Sound alarm	X	0	0
Fully compatible with SAE J1939	X	•	•

SPECIFICATIONS	M80	APM403	APM802
OPERATION			
Power ON	X	•	X
Manual genset starting	X	•	•
Automatic genset starting	X	•	•
Genset shut down	X	•	•
Emergency stop	•	•	•
Menu navigation using color touch-screen	X	X	•
Speed adjustment	X	0 (S) / • (P)	•
Voltage adjustment	X	0 (S) / • (P)	•
Controller redundancy	X	X	0
Dual frequency	X	•	0
Delayed start programming	X	•	0
Multilingual text	X	•	•
CONNECTIVITY			
MODBUS TCP/IP	X	0	•
RS 485 interface (mdBUS RTU protocol)	X	•	•
SNMP protocol	X	0	X
Local web access	X	•	•
Remote web access	X	0	X
USB port (config. and software downloading)	X	•	•
Remote control MMI	X	X	0
COUPLING			
Under load	X	• (P)	•
Stopped	X	X	0
Power plant continuity in case of inter controller communication fault	X	• (P)	•
Power plant wattmeter control	X	• (P)	•
Temporary parallel operation of Out/Return grid, single generator	X	• (P)	•
Power plant parallel operation to grid (temporary, permanent, etc.)	X	X	•
GENERAL			
Downloading of a customized configuration via USB port	X	•	•
Recovery of the firmware config.+ existing settings via USB port	X	•	•

• As standard — X Not available — 0 Optional

CONTROL UNITS

THE M80 DUAL-FUNCTION CONTROL UNIT

The M80 uses a terminal block to connect a remote control/command unit and a dashboard with a direct read facility. It is fitted with display screens that provide a global view of your electrical generating set's basic settings, as well as an emergency stop button and a terminal block. It also conforms to EC standards.



ADDITIONAL SPECIFICATIONS

		TERMINAL BLOCK	M80
Measurements	Tachometer (54 mm)	X	•
Engine parameters	Oil pressure gage	X	•
	Coolant temperature	X	•
	Oil temperature indicator	X	0
Controls	Emergency stop	•	•
Miscellaneous	CE compliant	•	•
	Terminal block for connecting remote unit	•	•

• As standard
X Not available
0 Optional

CONTROL UNITS

APM403 INTUITIVE, SIMPLE AND CONNECTED

DESCRIPTION OF THE APM403*



*APM403P

ADVANTAGES OF THE APM403

FLEXIBLE CONFIGURATION

- ▶ Technical solution can be broken down for multi-configuration – SOLO or PARALLEL OPERATION applications (up to 8 electrical generating sets)
- ▶ Specific application variables can be customized.

FLEXIBLE COMMUNICATION TOOLS

- ▶ Remote configuration and supervision thanks to the WEBSUPERVISOR application (optional)
- ▶ Standard communication tools:
 - CAN USB Host, USB device, RS 485 interface
 - SNMP, MODBUS protocol
- ▶ Optional:
 - 4G, Ethernet, GPRS, Airgate
 - TCP/IP protocol

FOCUS

▶ APM403S



The APM403S is dedicated to SOLO operation only. No grid electrical measurements or associated circuit breaker control.

INTUITIVE NAVIGATION AND SIMPLIFIED GENSET OR POWER PLANT OPERATION

- ▶ Multilingual support
- ▶ Simple, intuitive configuration specific to operating scenarios

CONTROL UNITS

APM802 DEDICATED TO POWER PLANT MANAGEMENT

Fully developed by KOHLER SDMO, the APM802 command/control system is specifically designed for operating and monitoring power plants for hospitals, data centers, banks, the oil and gas sector, industries, IPP, rental, mining, etc.

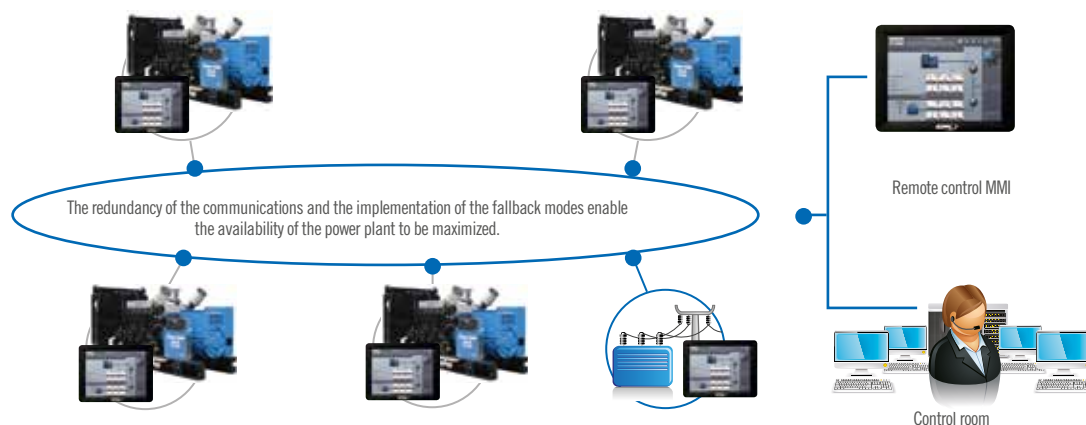
The Man-Machine Interface, designed in collaboration with a company specializing in interface design, facilitates operations via its large touch screen.

The pre-configured system for power plant applications features a brand new customization function that complies with the international standard IEC 61131-3.



THE APM802 FOR ENHANCED COMMUNICATIONS

Communication via the APM802 guarantees a high level of equipment availability and facilitates the remote control of the MMI for enhanced usage. Additionally, various connections can be made via the Ethernet, using fiber optics or combined with copper wire. For full control of risk management, the system communications are separate from the external communications.



INTUITIVE AND ERGONOMIC TO USE

The ergonomics of the APM802 has been carefully designed in conjunction with users to ensure optimum user comfort. The operator is guided through how to operate the product according to their access level, making it easy to get started and reducing the risk of errors.

THE POWER MODULES

AIPR

Each generating set may be supplied with a protection unit, incorporating the power circuit breaker. This unit is mounted on the chassis and is connected to the alternator via cables. This AIPR function is also adapted for containers.

		AIPR
WITH MANUAL CONTROL ON THE FRONT		
3-pole open circuit breaker		0
4-pole open circuit breaker		0
MOTORIZED CONTROL OPTION ⁽¹⁾		
With 3 or 4-pole open circuit breaker only		0
Voltage 380-480 V		•
Auxiliary unit option ⁽²⁾		0
Large range power connection bus bars, outlet on lower section		• ⁽³⁾
Remote control terminal block		•
Protection rating		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 motorized control comprises: a closing electromagnet, a transmitting 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.
• As standard
0 Optional



VERSO

In industrial applications, the transfer of the main source to the replacement source is crucial for the running of your installations. The Verso 200 is the perfect solution for this situation from **800 A to 3200 A**.

VERSO 200			
Ratings (A)	800, 1000, 1250	1600	2000, 2500, 3200
Type	Three phase		
Nominal voltage/frequency	208/220/230/240 V & 380/400/415/440 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 @400 V		
Protects against a change in the phase rotation direction	0		
Lightning arrester	0		
EJP pack (for France only)	•		
Confirmation of mains return	0		
Protection rating	IP55		
Inputs/outputs	3 configurable dry contact inputs/2 configurable relay outputs		
Dimensions (h x l x d) in mm	2000 x 806 x 642	2000 x 1006 x 642	2000 x 806 x 542

• As standard 0 Optional



≥ 800 A

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