

Residential Power

Never lack power!



The generating sets in the new **Residential Power** range are of professional quality but are compact and sound insulated for home use. **SDMO®** generating sets are simple and practical and can be installed permanently outdoors. They start up automatically if there is a power cut, ensuring that life in the home can continue as normal – refrigerators and freezers will keep running, heating and alarms systems will continue to operate and those working from home will not be disturbed.

Residential Power run off LPG or natural gas. They are quiet and environmentally friendly with low emissions.

Practical, automatic, simple: an alternative source of electricity that is always available!

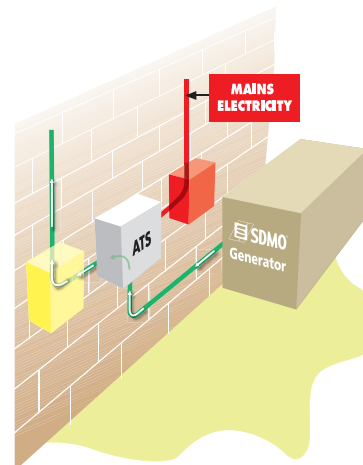
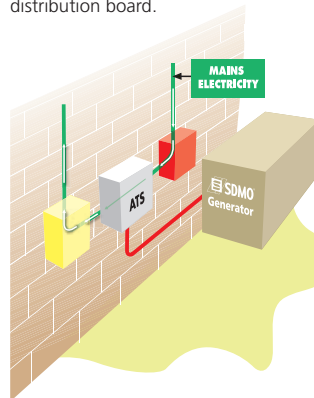
Operating principle:

- The automatic transfer switch detects the presence of the mains and selects the power source.
- If there is a power cut, the automatic transfer switch starts the generating set and switches the power source to restore the electrical supply within a few seconds.
- When the mains electricity supply returns to normal, the automatic transfer switch switches back to the mains, turns off the generating set and continues to monitor the mains supply.

* ATS : Automatic Transfer Switch

Mains supply OK

While the mains power supply is OK, the ATS* connects the mains to the distribution board.



Power cut

When there is a power cut, the automatic transfer switch detects that there is no mains electricity and starts the generating set. The distribution board is then supplied from the generating set which provides electricity to the home.



Residential Power

RES 16 TEC 50Hz

General specification 50 Hz

Three-phase generating set

- Automatic startup
- Natural gas or LPG
- Quiet and compact
- Easy to install



ADC RES
Control panel
accessible through
the roof

Easy access to
connections

Base for installing
on all types of floor

Max rating	■ Natural gas	12,900 W	16,175 VA*
	■ LPG	12,900 W	16,175 VA*
Noise ⁽³⁾	68 dB(A)@7m		
Engine	KOHLER		
Type	CH980		
Starter	Electric		
Displacement	0.99 L (61 in ³)		
Bore and stroke	78.5 mm x 90 mm (3.1"x 3.54")		
Speed	3,000 rpm		
Speed regulation	Electronic		
Consumption (75 %) ⁽¹⁾	■ Natural gas	4.7 m ³ /h	
	■ LPG ⁽¹⁾	4.2 kg/h	
Length	1,199 mm (47.2 in)		
Width	726 mm (28.6 in)		
Height	804 mm (31.6 in)		
Net weight	227 kg (500 lbs)		
Standard equipment	Preheating Battery Charger		

*Power factor 0.8

⁽¹⁾ As a guideline, the operating pressure of this Residential Power generating set is between 0.017 and 0.027 bar for natural gas and LPG.

⁽²⁾ 1 kg = 0,535 m³.

⁽³⁾ At no load.

Controls

- Digital hours counter display
- Digital display of electrical values
- Digital error code display
- Simplified configuration of main parameters
- Main switch (on/off, restart/auto)
- Alternator output 230 V/400 V – three phase
- Voltage regulator

Supplied with:

- "Verso" normal/back-up transfer switch: automatically controls switchover from mains to generating set and vice versa - 50 Hz - 230 V/400 V - 100 A.
- Standard 12V battery.

Optional extras:

- Pack first: complete service kit comprising air filter, air pre filter, spark plugs and oil filter.
- Fixed differential protection: adjusted to the electrical system being used - 30 mA or 300 mA.

