

Residential Power

Never lack power !



The generator sets in the new Residential Power range are of professional quality but are compact and sound insulated for home use. **SDMO®** gensets 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, that 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 !

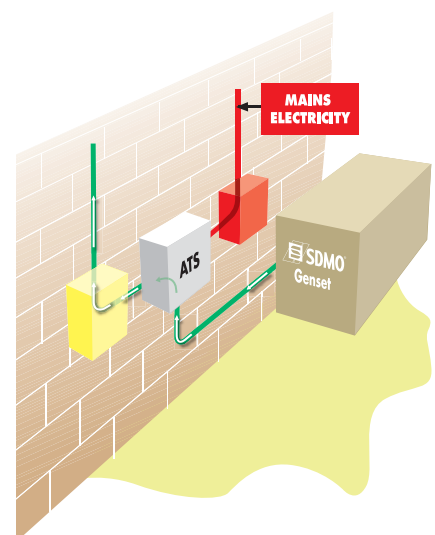
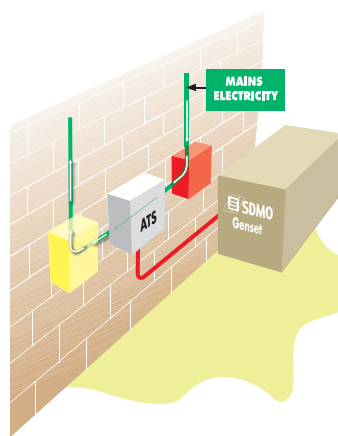
Operating principle:

- 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 generator 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 genset and continues to monitor the mains supply.
- **SDMO®** generator sets are also programmed to carry out automatic weekly maintenance tests to ensure that they are in working order and able to generate electricity should there be a power cut.

* 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 generator set. The distribution board is then supplied from the genset which provides electricity to the home.



Residential Power

RES 13 50_{Hz}

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



Control panel accessible behind door



Optional automatic transfer switch : switches automatically between the mains supply and the generator set

Easy access to connections

Base for installing on all types of floor

→ General specification 50 Hz

Max rating		
■ Natural gas	9,300 W	11,625 VA*
■ LPG	10,500 W	13,125 VA*
Noise	65 dB(A)@7m	
Engine	KOHLER	
Type	CH740	
Starter	Electric	
Displacement	0.725 L (44 in ³)	
Bore and stroke	67 mm x 83 mm 2.64" x 3.27"	
Speed	3,000 rpm	
Speed regulation	Electronic	
Consumption (75 %)⁽¹⁾		
■ Natural gas	0.028 m ³ /h	
■ LPG	0.014 m ³ /h	
Length	1,123 mm (44.2 in)	
Width	726 mm (28.6 in)	
Height	804 mm (31.6 in)	
Net weight	182 kg (400 lbs)	

*Power factor 0.8

⁽¹⁾The consumption is given for a pressure of 3 bar to simplify comparison between gas cylinders. As a guideline, the operating pressure of Residential Power generator sets is between 0.012 and 0.027 bar for natural gas and between 0.017 and 0.027 bar for LPG.

→ 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 – single phase
- Voltage regulator

