

# AQUIGEN 180

OFF-GRID RECREATIONAL POWER



AQUIGEN 180 is as quiet as a whisper and emission-free. Its integrated fuel cell generates electricity without combustion. The fuel used in AQUIGEN is water-based thus uniquely non-flammable.

- ✦ Uses non-flammable fuel
- ✦ 100% reliable, always available
- ✦ Robust industrial construction and metal casing
- ✦ Near-silent operation, can be used in confined spaces
- ✦ Easy solution for battery charging from wind or solar power
- ✦ Remote control for operation and monitoring included
- ✦ Environmentally friendly, extremely efficient
- ✦ Mobile, light and compact

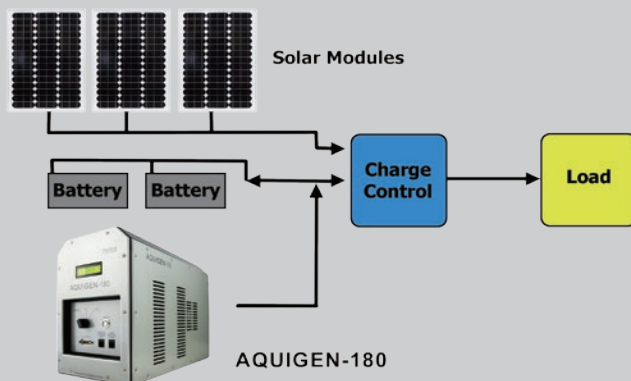
The AQUIGEN 180 fuel cell system connects to your on-board 12V battery and continuously monitors its charge level. If your battery voltage drops below a predetermined threshold, the unit automatically kicks in to start recharging. This prevents unhealthy severe discharge and recharge cycles, thus maintaining longer service life. After charging is complete, the AQUIGEN 180 reverts to standby mode automatically. The generator does not emit any toxic emissions and can be used indoors, as auxiliary power for your recreational vehicle or as emergency power for your home.

## HYBRID SOLAR AQUIGEN 180 CONFIGURATIONS

AQUIGEN 180 can be combined with a PV solar system to reduce fuel consumption and provide an even longer lasting power source. The solar module can produce ample electricity, the solar system takes over.

## APPLICATIONS

- RV / Camping APU
- Temporary Signage
- Emergency Response
- Monitoring Power



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## Technical specifications

Parameter	AQUIGEN 180
Max. charging power per day	4320 Wh/day 360 Ah/day
Max. nominal power	180 W
Nominal voltage	12 V
Max. nominal charging current at 12V	15 A
Recommended battery capacity at 12V	100-350 Ah
Weight	Approx.10 kg
Switch-on voltage	<12 V
Switch-off voltage	>13.8 V,14.2 V,14.8 V
Switch-off current	<3 A
Switch-on delay	10 s
Required start-up voltage at 12V	<8 V
Noise level (at 10m distance)	25 dB(A)
Nominal fuel consumption	1.56 L/kWh
Quiescent current draw	20 mA
Operating temperature	- 10 °C to 50 °C
Ambient temperature for startup	- 10 °C to 50 °C
Storing temperature	- 10 °C to 50 °C
Max recommended altitude	Up to 3000 m
Dimension (L x W x H)	400 x 185 x 250 mm
Space requirement (L x W x H) incl. Fuel Cartridge	Est.: 600 x 300 x 320 mm

2 Fuel Cartridges	HydroFuel	HydroActivator
Volume	5L / 10L	5L / 10L
Weight (Dry)	1.4 kg / 2.8 kg	2.25 kg / 4.5 kg
Normal capacity	3.2 kWh / 6.4 kWh	Consumed 1:1 with HydroFuel
Dimensions (L x W x D)	145 X175 X 265 mm 200 x 230 x 300 mm	145 X175 X 265 mm 200 x 230 x 300 mm

- Quiet and emissions free
- Lightweight & compact
- Hybrid solar compatible

The AQUIGEN 180 is fuel cell system that consumes its fuel from a unique “on demand” hydrogen generator that uses non-flammable water-based solutions. One is a hydrogen-rich salt and the other is a mild food acid. Both solutions are reacted together to form the required hydrogen that is immediately converted to power by the fuel cell.



Made in Australia

AQUIGEN-180 Voltage Levels

