



Barrel®

6 kWp | PV INSTALLABLE

5,6 kVA | INVERTER - single phase hybrid

3,55 kWh | LITHIUM BATTERY DoD 80 %

Warranties:

Extend your warranty and get dedicated assistance with Barrel

25

YEARS
PANELS

5

YEARS
INVERTERS

5

YEARS
BATTERIES

Info:

The Barrel's versatility offers the user a rapid solution to the problem of the lack of electricity from the national grid and network, as well as intelligent management of energy loads, needs and consumption. When there is no network, Barrel operates without any blackouts. Barrel is a Plug and Play system and easily removable. Barrel is a professional Solar Hybrid System offering cutting-edge Storage. A true

O-Grid System for Small Offices, Homes, Water pumps, Humanitarian & Emergencies, ATM. Barrel is quite sophisticated, fully programmable, and provides a smart combination of all available energy sources (Grid, GenSet, PV, Batteries, and Wind) offering a strategic advantage in the reliability, cost and environmental impact of electricity usage. Just connect other sources without the need for hardware changes.





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INPUT > by industrial connector usull to connect GenSet or Grid Network.

Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (Personal Computers) 90-280 VAC (Home Appliances)
Frequency Range	50 Hz/60 Hz (Auto sensing)

OUTPUT > by industrial plug usull to connect electrical panel distribution of the house or to the devices directly.

AC Voltage Regulation (Batt. Mode)	230 VAC 3 5%
Surge Power	5600 VA
Efficiency (Peak)	91% - 94%
Transfer Time	13 ms (Personal Computers) ; 19 ms (Home Appliances)
Waveform	Pure Sine Wave
No Load Power Consumption	< 40W

BATTERIES BLUE LITHIUM LiFePO4 PREMIUM

Battery Voltage	48 V
Floating Charge Voltage	51 V
BMS	BMS controlled safety, long life, lightning fast charging
Bluetooth Access Data	State of Charge, Voltage, Current and Temperature
Nominal Energy	3,55 kWh
Usable DoD%	90%
Reserve Capacity @ 25A	120 Min.
Raccomanded Current - Max Charges	55 A - 85 A
Peak Discharge (15 sec)	100 A
Design Life	10 years (25C/77F)

SOLAR CHARGER

Solar Charger Type	MPPT
Maximum PV Array Power	6000 W
MPPT Range @ Operating Voltage	120 - 450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC
Maxmum Solar Charge Current	80 A
Maximum AC Charge Current	80 A
Maximum Charge Current	80 A

PHYSICAL > Robust against hooliganism theft acts. Barrel closes with a padlock.

Dimensions D x W x H (mm)	590 x 590 x 900
Shipment dimensions (mm)	Eco pallet 600 x 800 x 1000
Net Weight (kgs)	48.0
Communication Interface	RS232 - RS485 -WIFI - Dry contact

OPERATING ENVIRONMENT Do not expose to direct sunlight.

Humidity / Anti-dust filter	5% to 95% Relative Humidity - Anti-dust filter present
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C

STANDARD

Compliance Safety	CE Marked, UN 38.3 Transport Safety Certified
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