

BARREL

www.barrel.solar

6 kWp | PV INSTALLABLE

5,6 kVA | INVERTER - single phase hybrid

3,55 kWh | LITHIUM BATTERY DoD 80 %

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 black-outs**.

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**.

Barrel is a **Plug and Play** system and easily **removable**.

Barrel is a professional Solar Hybrid System offering cutting-edge Storage.

A true Off-Grid System for Small Offices, Homes, Water pumps, Humanitarian & Emergencies, ATM.

warranties:

Extend your warranty and get dedicated assistance with Barrel Care plan.

25

years

PANELS

5

years

INVERTERS

5

years

BATTERIES

MODEL : Barrel 02_288

Barrel 4000 Wp - 3600 VA - 2.88 kWp Lithio



Rated Power 5000W

INPUT > by industrial connector usfull 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 usfull to connect electrical panel distribution of the house or to the devices directly.

AC Voltage Regulation (Batt. Mode)	230VAC ± 5%
Surge Power	5000VA
Efficiency (Peak)	91% ~ 94%
Transfer Time	13 ms (Personal Computers) ; 19 ms (Home Appliances)
Waveform	Pure Sine Wave
DC output connectors:	4 x 12 V DC
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)	100A
Design Life	10 years (25C/77F)

SOLAR CHARGER

Solar Charger Type	MPPT
Maximum PV Array Power	5000 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.

Dimension, D x W x H (mm)	590 x 590 x 900
Shipment Dimension (mm)	Eco pallet 600 x 600 x 1000
Net Weight (kgs)	60.0
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

Product specification are subject to change without future notice.