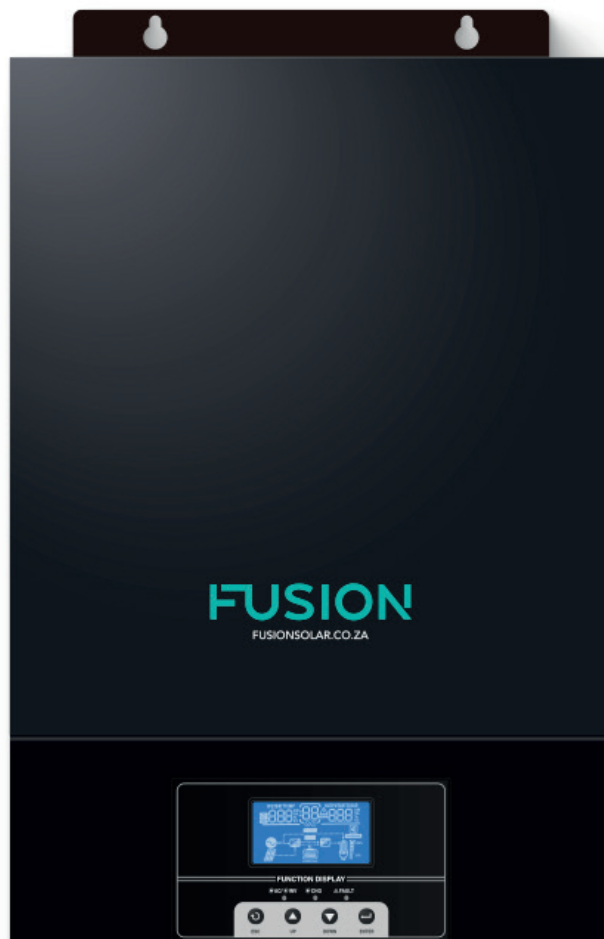


FUSION

FUSIONSOLAR.CO.ZA

5.5KW FUSION OFF-GRID INVERTER



FEATURES

- Pure sine wave solar inverter Output power factor 1.0
- High PV input voltage range(120~500VDC)
- Inverter running without battery
- Built-in 100A MPPT solar charger
- Smart battery charge design to optimize battery life
- Wifi&GPRS available for IOS and android
- Built-in anti-dusk kit for harsh environment
- Remove LCD

FUSION OFF-GRID INVERTER

5.5KW

SPECIFICATIONS

Model	FUSION-5-OG-HV
Rated Power	5500VA/5500W

INPUT

Voltage	230 VAC
Selectable Voltage Range	170-280VAC(for personal computers) 90-280VAC(for home appliances)
Frequency Range	50Hz/60Hz (Auto sensing)

OUTPUT

AC Voltage Regulation (Batt.Mode)	230VAC \pm 5%
Surge Power	11000VA
Efficiency(Peak) PV to INV	97%
Efficiency(Peak) BAT to INV	94%
Transfer Time	10ms (for personal computers) 20ms (for home appliances)
Wave Form	Pure Sine Wave

BATTERY & AC CHARGER

Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	63 VDC
Maximum charge current	80A

SOLAR CHARGER

MAX.PV Array Power	6000W
MPPT Range@ Operating Voltage	120-450VDC
Maximum PV Array Open Circuit Voltage	500VDC
Maximum Charging Current	100A
Maximum Efficiency	98%

PHYSICAL

Dimension.D*W*H(mm)	440*300*100
Net Weight (kgs)	12kg
Communication Interface	REMOVE LCD/RS232(Standard) GPRS/WIFI(Optional)

OPERATING ENVIRONMENT

Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	0°C to 55°C
Storage Temperature	-15°C to 60°C

All information contained in this document is subject to change without notice.