



SOLAR 5KVA 48V MPPT INVERTER



HIGH CURRENT CHARGER



DSP BASED TECHNOLOGY



NOISELESS OPERATION




PURE SINE WAVE OUTPUT

CONTACT US

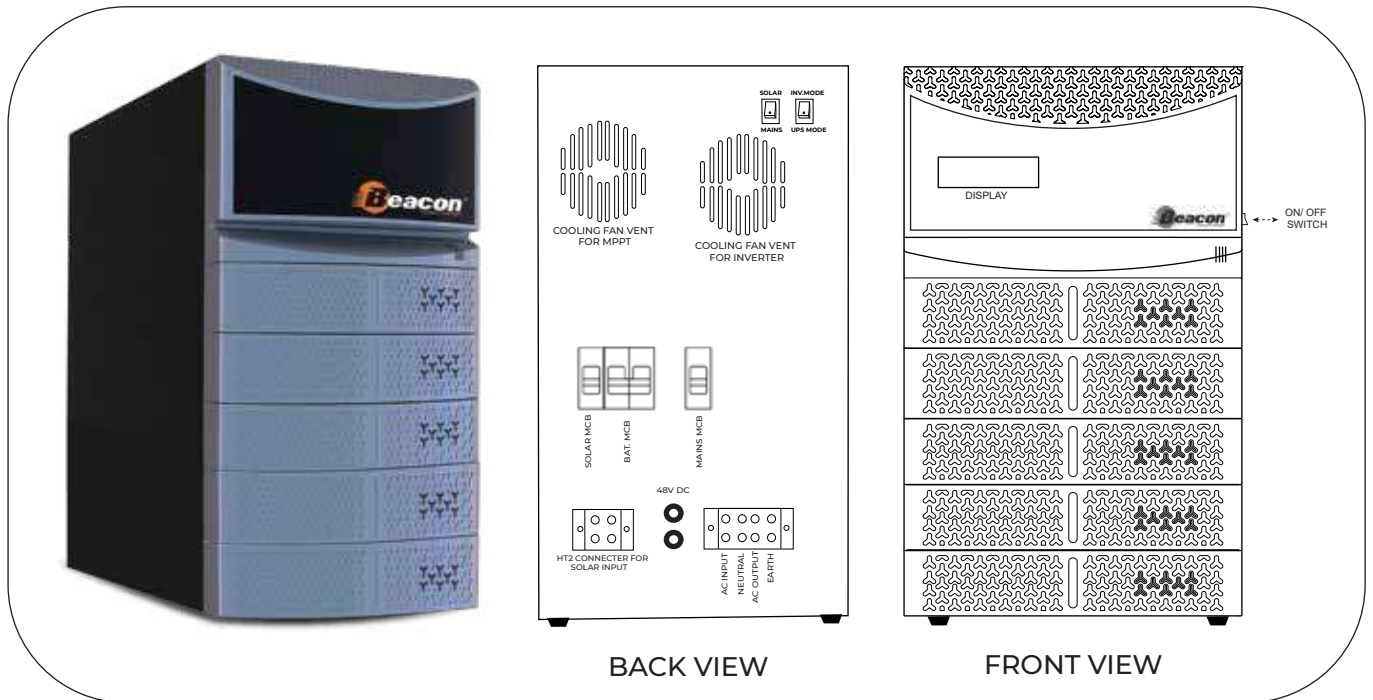
 sales@beaconpowersys.com

 www.beaconpowersys.com

 PH: 85939 60000,
Toll Free: 1800 121 3511

SOLAR 5 KVA 48 V MPPT INVERTER

TECHNICAL DATA SHEET



SYSTEM DETAILS

System Model Name	BM 050048
Capacity	5000VA/4000W
Nominal DC Voltage	48V
Inv. Switching Device	MOSFET
Grid Charger Topology	Inv. Bridge Boost
Solar Switching Device	MOSFET
Solar Charger Topology	MPPT Buck

MECHANICAL DATA

Dimension (L X W X H)	445mm x 240mm x 410mm
Operating Temperature	0-50°C
Cooling	FORCED AIR COOLING
Noise@1m	<50dB
Weight(kg)	35.5 kg
Max Relative Humidity@ 25°C	95%

PARAMETERS(GRID)

Nominal Grid Voltage	230 VA 1 ϕ
Nominal Frequency	50Hz \pm 1%
UPS mode	190-255V
Battery Charging Voltage	57.6V
Retrigger at	54 V

PARAMETERS(SOLAR)

VOC max	90V-200V DC
Max Panel	3200Wp
Battery Charging Voltage	58V DC

MODE SETTING

Grid to Battery	57.6 V
Grid Reconnect	46 V

Switches & Controls

System	System ON/OFF
Mode Select	UPS/ Inverter
Charger Select	Grid/ Solar



PARAMETERS(INVERTER)

Nominal Output Voltage	225VAC 1 ϕ
Nominal Frequency	50Hz
Output Waveform	Pure Sine Wave
Battery Low Buzzer	44.8V
Battery Low Cut	43.2V

PROTECTIONS

Over Load, Short Circuit, Over Temperature

LCD

MULTI LINE DISPLAY	UPS ON/OFF,Charger ON/OFF,Solar ON/OFF,Mode(INV/UPS),Mains Voltage, Battery Voltage, Ac Output Voltage,Inv. Load Percentage,Solar Panel Voltage, Panel Current,Total units generated from solar panel,Mains ON/OFF status
Fault Conditions	Battery Low, OverLoad, Over Temperature

DISPLAY

