



SOLAR 2KVA 48V MPPT INVERTER



HIGH CURRENT CHARGER



DSP BASED TECHNOLOGY



NOISELESS OPERATION




PURE SINE WAVE OUTPUT

CONTACT US

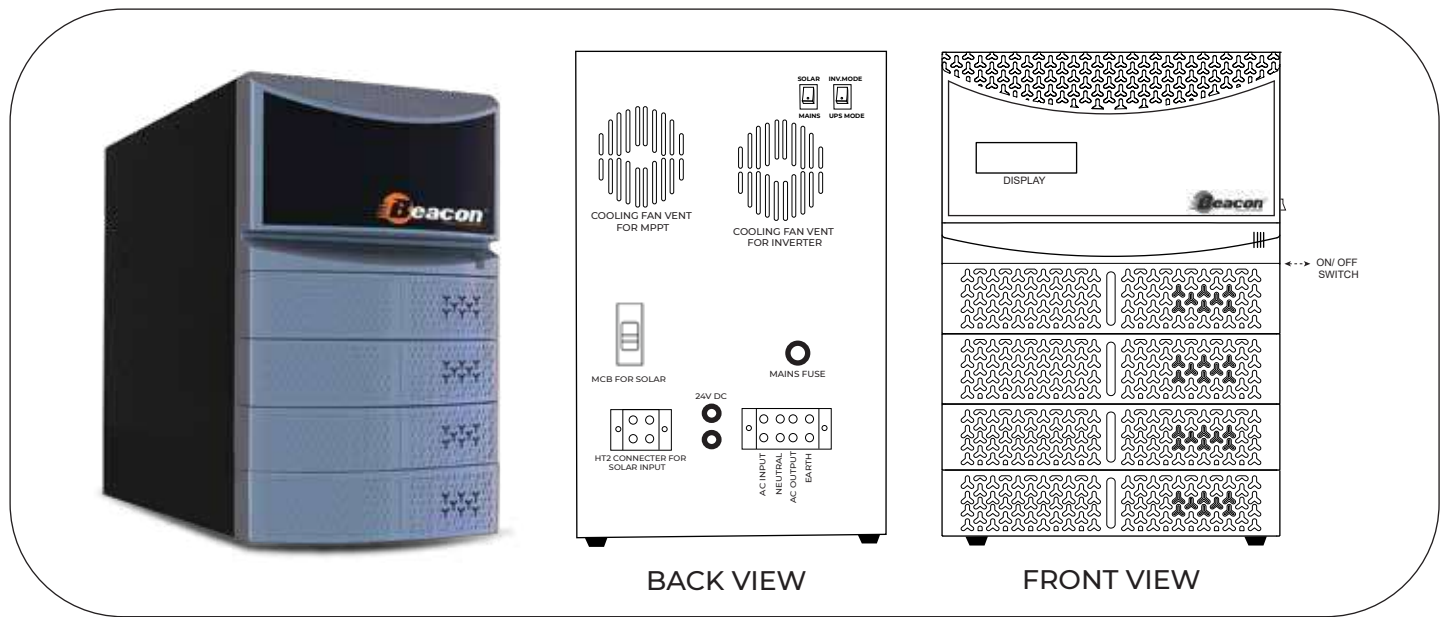
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SOLAR 2 KVA 48 V MPPT INVERTER

TECHNICAL DATA SHEET



BACK VIEW

FRONT VIEW

SYSTEM DETAILS

System Model Name	BM 020048
Capacity	2000VA/1600W
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)	385mm X 240mm X360mm
Operating Temperature	0-50°C
Cooling	FORCED AIR COOLING
Noise@1m	<50dB
Weight(kg)	23 kg
Max Relative Humidity@ 25°C	95%

PARAMETERS(GRID)

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

PARAMETERS(SOLAR)

VOC max	90V-200V DC
Max Panel	2000Wp
Battery Charging Voltage	58 V DC

MODE SETTING

Grid to Battery	57.6 V DC
Grid Reconnect	46 V DC

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	44.8 V
Battery Low Cut	43.2 V

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

DISPLAY

