



SOLAR 3KVA 48V MPPT INVERTER



HIGH CURRENT CHARGER



DSP BASED TECHNOLOGY



NOISELESS OPERATION




PURE SINE WAVE OUTPUT

CONTACT US

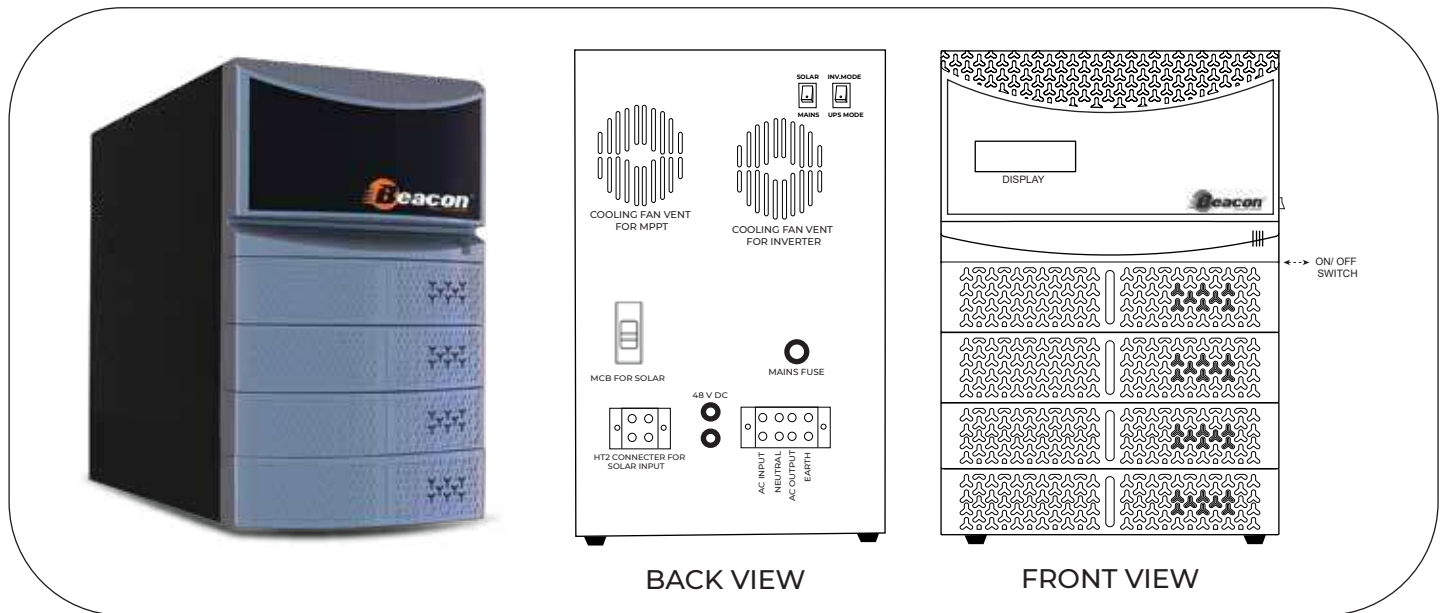
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SOLAR 3 KVA 48 V MPPT INVERTER

TECHNICAL DATA SHEET



SYSTEM DETAILS

| | |
|------------------------|-------------------|
| System Model Name | BM 030048 |
| Capacity | 3000VA/2400W |
| 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 x 360mm |
| Operating Temperature | 0-50°C |
| Cooling | FORCED AIR COOLING |
| Noise@1m | <50dB |
| Weight(kg) | 26.3kg |
| 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 | 3000Wp |
| 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

