DATA SHEET

Beacon®
POWER TO PERFORM

BM - Q 2KVA 24V - APP BASED SOLAR HYBRID INVERTER

HIGH CURRENT CHARGER

DSP

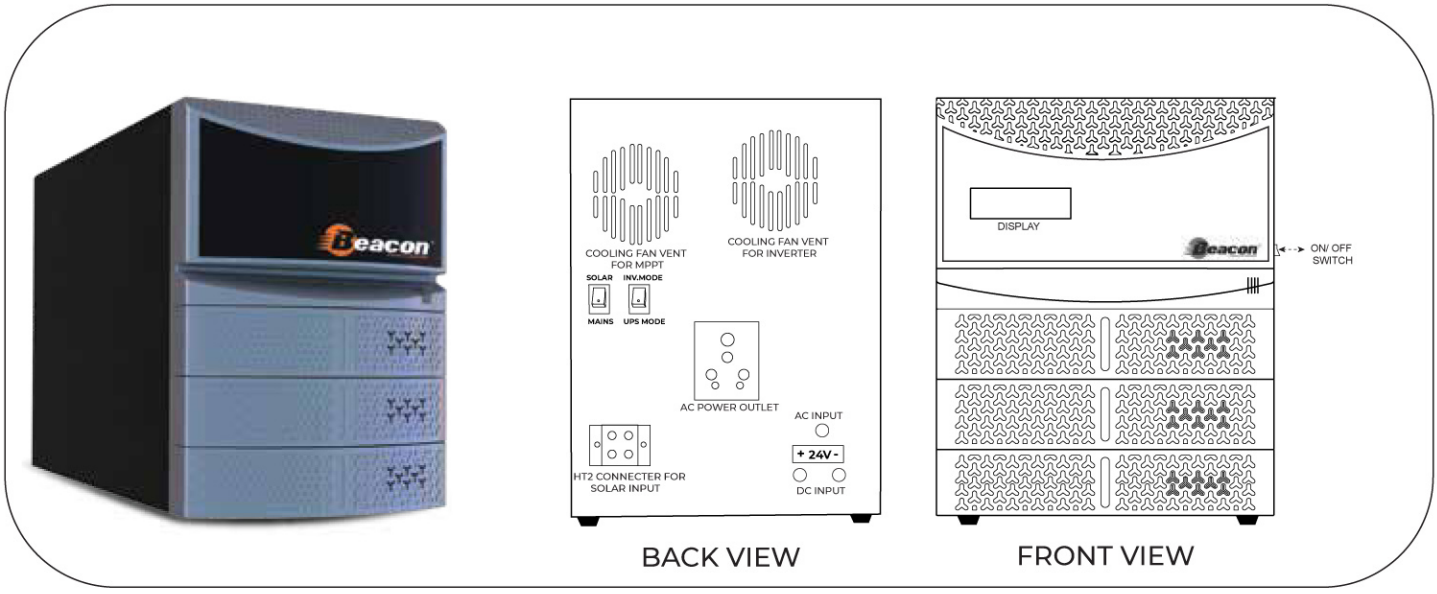
DSP BASED TECHNOLOGY

NOISELESS OPERATION

PURE SINE WAVE OUTPUT

www.beaconpowersys.com

BM - Q 2KVA 24V SOLAR HYBRID INVERTER
APP BASED
TECHNICAL DATA SHEET



BACK VIEW FRONT VIEW

SYSTEM DETAILS

System Model Name	BM - Q 2KVA 24V
Capacity	2000VA/1600W
Operating DC Voltage	24V
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)	295mm X 240mm X315mm
Operating Temperature	0-50°C
Cooling	FORCED AIR COOLING
Noise@1m	<50dB
Weight(kg)	18.1 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	28.8 V
Retrigger at	27 V

PARAMETERS(SOLAR)

VOC max	80-100V DC
Max Panel	1100 Wp
Battery Charging Current(Optional)	>800Wp(BM)
Battery Charging Voltage	29 V DC

MODE SETTING

Grid to Battery	28.8 V DC
Grid Reconnect	23 V DC

Switches & Controls

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

PARAMETERS(INVERTER)

Nominal Output Voltage	220VAC 1ϕ
Nominal Frequency	50Hz
Output Waveform	Pure Sine Wave
Battery Low Buzzer	22.4 V
Battery Low Cut	21.6 V

PROTECTIONS

Over Load, Short Circuit, Over Temperature

LCD

SINGLE LINE DISPLAY	AC Input Voltage, AC Output Voltage,Charging Mode Grid/Solar,
	Grid Charging Current, Temperature,Output Load
Fault Conditions	Battery Low, OverLoad, No Feed Back, Over Temperature

DISPLAY