

Technical Specifications*

1.	Model	100VA to 1KVA/12V	1KVA/1.5KVA/2KVA/24V	2KVA/36V to 10 KVA/180V
2.	Input Voltage (UPS)	(180-260)V,45Hz to 55Hz	(180-260)V,40Hz to 60Hz	(180-260)V,40Hz to 60Hz
3.	Input voltage (INV)	(90-290)V, 45Hz to 55Hz	(90-290)V, 40Hz to 60Hz	(90-290)V, 40Hz to 60Hz
4.	Output Voltage on MAINS Mode	Same as input	Same as input	Same as input
5.	Output Voltage on INV Mode	220±2%(Settable)	220±2%(Settable)	220±2%(Settable)
6.	Switching from MAINS to INV and INV to MAINS	Automatic	Automatic	Automatic
7.	Switching from MAINS to UPS and UPS to MAINS	Automatic	Automatic	Automatic
8.	Output wave form on UPS/INV mode	Pure sine wave	Pure sine wave	Pure sine wave
9.	Output THD	<2%	<2%	<2%
10.	Type of Charger	CCCV/pulse charger	CCCV/pulse charger	CCCV/pulse charger
11.	Charging AC input range	(130-290)V	(130-290)V	(130-290)V
12.	Charging current	(1-10 Amp) Selectable	(1-13 Amp) Selectable	(1-15 Amp) Selectable
13.	Surge load	300% / (3ms)	300% / (3ms)	300% / (3ms)
14.	Switching frequency of Charger	18KHz	18KHz	18KHz
15.	Efficiency	85% Typical	85% Typical	85% Typical
16.	Topology	Full bridge(DSP Based)	Full bridge(DSP Based)	Full bridge(DSP Based)
17.	INV over load	Above 100%	Above 100%	Above 100%
18.	Short CKT Protection (O/P)	CT sense	CT sense / Cycle by cycle	CT sense / Cycle by cycle
19.	Battery low shut down	Yes	Yes	Yes
20.	Auto restart low battery/over load	Yes	Yes	Yes
21.	Display	LED/LCD	LED/LCD	LED/LCD

Battery Voltage	Battery Maximum Cutoff	Solar Charging	Panel Maximum open circuit Voltage	Wattage of the Panel
12V D.C	14.4V D.C	10A/20A/ 30A/40A	30V D.C	200W/400W/ 600W/800W 12V D.C
24V D.C	28.8V D.C	10A/20A/ 30A/40A	45V D.C	400W/800W/ 1200W/1600W 24V D.C
36V D.C	43.2V D.C	10A/20A/ 30A/40A	70V D.C	600W/1200W/ 1800W/2400W 36V D.C
48V D.C	57.6V D.C	10A/20A/ 30A/40A	90V D.C	800W/1600W/ 2400W/3200W 48V D.C
60V D.C	72V D.C	10A/20A/ 30A/40A	120V D.C	1000W/2000W/ 3000W/4000W 60V D.C
72V D.C	86.4V D.C	10A/20A/ 30A/40A	145V D.C	1200W/2400W/ 3600W/4800W 72V D.C
96V D.C	115.2V D.C	10A/20A/ 30A/40A	200V D.C	1600W/3200W/ 4800W/6400W 96V D.C



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