

TECHNICAL SPECIFICATIONS **NGreen** SOLAR DSP HOME UPS (PWM)

MODEL	400VA/600VA/800VA/12V	1000VA/1500VA/24V	2000VA/2500VA/300VA/48V	4000VA/5000VA/6000VA 96V
Input voltage (UPS)	180-260V	180-260V	180-260V	180-260V
Input voltage (INV)	130-280V	130-280V	130-280V	130-280V
Output voltage on mains mode	Same as input	Same as input	Same as input	Same as input
Output voltage on inverter mode	220 ±5%	220 ±5%	220 ±5%	220 ±5%
Output frequency on inverter mode	50Hz ±0.1Hz	50Hz ±0.1Hz	50Hz ±0.1Hz	50Hz ±0.1Hz
Display	Battery - Voltage, load % ,Mains voltage ,Solar Generation, Status of inverter.	Battery - Voltage, load % ,Mains voltage ,Solar Generation, Status of inverter.	Battery - Voltage, load % ,Mains voltage ,Solar Generation, Status of inverter.	Battery - Voltage, load % ,Mains voltage ,Solar Generation, Status of inverter.
Switching from mains to inverter and from inverter to mains.	Automatic	Automatic	Automatic	Automatic
Switching from mains to UPS and from UPS to Mains	Automatic	Automatic	Automatic	Automatic
Bill Reducing Protocol	Available	Available	Available	Available
Output waveform on mains mode.	Same as input	Same as input	Same as input	Same as input
Output waveform on inverter mode.	PURE SINE WAVE	PURE SINE WAVE	PURE SINE WAVE	PURE SINE WAVE
Battery charging current Cccv with float boost charging	Constant charging approx 6% of the rated battery current in AH.	Constant charging approx 6% of the rated battery current in AH.	Constant charging approx 6% of the rated battery current in AH.	Constant charging approx 6% of the rated battery current in AH.
Charger	Power factor controlled boost technology	Power factor controlled boost technology	Power factor controlled boost technology	Power factor controlled boost technology
Efficiency	> 90%	> 90%	> 90%	> 90%
Inverter overload	120% for 20 sec 150 % for 3sec	120% for 20 sec 150 % for 3sec	120% for 20 sec 150 % for 3sec	120% for 20 sec 150 % for 3sec
Inverter short circuit	300%	300%	300%	300%
Technology	DSP BASED DESIGN.	DSP BASED DESIGN.	DSP BASED DESIGN.	DSP BASED DESIGN.
Auto reset features	Yes	Yes	Yes	Yes
	<u>SOALR CHARGER SPECIFICATON</u>			
PV Panel Input Voltage	15-21 V	30-43 V	60-85 V	120-180 V
Output Voltage	12V	24V	48V	96V
Output Current, solar charging	10 to 40 Amp	10 to 40 Amp	10 to 40 Amp	10 to 40 Amp
Battery Full Charge Cutoff	13.8/14.2 VDC	27.6 /28.4 VDC	55.2/56.8 VDC	110.4/113.6 VDC