

SOLAR PCU TECHNICAL SPECIFICATIONS & RATINGS

PARAMETERS	700VA -1100VA (12VDC) 1700VA-2000VA(24VDC) 2.5KVA (36 VDC) 3.5KVA(48VDC) 5 KVA (48VDC) 6 KVA (72 VDC) 7.5 KVA (96 VDC) 10 KVA (120 VDC)								
UPS MODE									
Low Cut	175 ± 10V								
Low Cut Recovery	185 ± 10V								
High Cut	265 ± 10V								
High Cut Recovery	255 ± 10V								
Change Over Time	< 10 ms								
WUPS MODE									
Low Cut	90 ± 10V								
Low Cut Recovery	110 ± 10V								
High Cut	295 ± 10V								
High Cut Recovery	285 ± 10V								
Change Over Time	< 30 ms								
Output Voltage Range	230 V Nominal								
Output Waveform	Pure Sine Wave								
Output Frequency	50 Hz ± 1%								
Overload	> 110%								
Charging Current (100AH-200AH)	15A ± 1 AMP (Factory Setting)								
Charging Boost Voltage (LA/Floded)	14.0 V ± 0.2 V each battery								
Charging Boost Voltage (Tubular)	14.5 V ± 0.2 V each battery								
Low Battery Warning	10.7 V ± 0.2 V each battery								
Low Battery Cut	10.5 V ± 0.2 V each battery								
DC Load Low battery cut	10.3 V ± 0.2 V each battery								
Operating Temperature	0 to 50 °C								
Storage Temperature	0 to 50 °C								
Humidity	0 to 95% RH non-conditioning								
Solar Charger									
Solar Charger	PWM								
Max. Solar Input Voltage (Voc)	25V each battery								
Nominal Voltage	12V	24V	36V	48V	48V	72V	96V	120V	
Solar Input Max VMP/Min VMP	21V	36V	63V	72V	72V	108V	144V	180V	
Max PV Input Power	450W	2000W	2500W	3000W	3500W	4500W	7000W	8750W	
Charging Current (Max)	30A	50A			60A				
PRIORITY									
Charging Priority	Battery is always charged through Solar Priority								
Battery Priority	Firstly use solar power & check battery charged status after that use battery 20% if solar power is available								
Grid Priority	Charged Battery always from Solar as well as Grid if solar is not sufficient.								
LCD Display	Solar Power/ Mains Status / Battery Charging / Backup Mode Status / Protections etc.								
Dimensions (LxWxH) mm	270x190x125	340x230x260	350x230x310		425x300x500		482x320x615		
Net Weight (Kg)	8.5 Kg/ 8.75 Kg/ 9.35 Kg/ 9.5 Kg	15.9	20.5	21.5	43.0	47.0	55.0	65.0	
Gross Weight (Kg)	9.3 Kg/ 10.1 Kg/ 10.25 Kg	16.9	21.0	22.0	43.5	47.5	55.5	65.5	