

SAMSUN[®] SOLAR

SOLAR HYBRID PCU MPPT BASED



Great
Power Saving
Up To 30%



Battery Charge At
Very Low Voltage
Till 90v



User friendly
Interface



Backup Time
More Than 12%



IN-BUILT BATTERY CHARGER
TO PREVENT DEEP DISCHARGE



ULTRA SERIES

SOLAR HYBRID UPS SERIES TECHNICAL SPECIFICATIONS

PARAMETERS	1700VA/24V
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	MPPT
Max. Solar Input Voltage (Voc)	25V each battery
Nominal Voltage	24V
Solar Input Max VMP/Min VMP	36V
Max PV Input Power	2000W
Charging Current (Max)	50A
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	340x230x260
Net Weight (Kg)	15.9
	18.5
Gross Weight (Kg)	16.9
	19.3

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