

SAMSUNTM SOLAR

SOLAR HYBRID PCU MPPT BASED 7500/96V



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



TECHNICAL SPECIFICATIONS

PRODUCT SPECIFICATIONS														
MODEL NAME	300VA	500VA	700VA	900VA	1100VA	1700VA	2000VA	2500VA	3500VA	5000VA	5000VA	6000VA	7500VA	10000VA
MAINS MODE														
Mains AC Input range (UPS mode)	175VAC-265VAC ± 10 V													
Mains AC low cut recovery UPS mode	185VAC ± 10VAC													
Mains AC high cut recovery UPS mode	255VAC ± 10VAC													
Mains AC Input range (WUPS mode)	90VAC-285VAC ± 10V													
Mains AC low cut recovery WUPS mode	110VAC ± 10VAC													
Mains AC high cut recovery WUPS mode	285VAC ± 10VAC													
Input Frequency Range	48Hz to 52Hz													
Battery														
DC input voltage	12V				24V		36V	48V	48V	96V	72V	96V	120V	
Battery deep Discharge Recovery	Yes (Independent Charger to Recover Deep Discharged Battery)													
Charging Current 100Ah-135Ah Setting (I/P range 135VAC to 295VAC)	6.5A ± 1A (50-80Ah Battery)		12A ± 1A											
Charging Current 150Ah-220Ah Setting (I/P range 135VAC to 295VAC)	10A ± 1A (100-135Ah Battery)		15A ± 1A											
Backup Mode														
Output voltage / Frequency	220VAC +5% -10% (until battery low alarm) / 50Hz ± 0.2 Hz													
Output waveform	Pure Sine Wave													
Low Battery Cut	10.4V±0.2V				21.6V±0.2V		32.4V±0.4V	43.2V ± 0.4V		86.4V±0.4V	64.8V±0.4V	86.4V±0.4V	108V±0.4V	
Change over time UPS /WUPS mode	< 10msec / < 25msec													
Protections														
Overload /Short Ckt./Backfeed in backup mode	Available													
Over temperature/ Reverse Battery	Available													
Phase to Phase protection in mains mode	Yes provided by electronic													
Solar Charge Controller														
Solar Charge Controller type	PWM type													
Maxi Panel wattage can be connected	600W				1500W		3000W		6500W	4500W	6500W	6500W		
Maxi PV current	25A				50A									
Reverse PV protection /current flow to PV	Available													
Sharing of current when PV and Grid Both are available	If PV power is not sufficient enough to charge the battery, system will start sharing battery charging from PV and grid.													
Option for Grid and Battery priority	Available, Customer friendly settings													
Display and Alarms														
LCD Status Display	Mains ON, Input -Voltage/Frequency, Battery -Voltage/Charging/Charged, Charging Current, PV Voltage/current Backup Mode, UPS- ON/OFF, Load %, Output -Voltage/ Frequency and all protections etc.,													
Weight and Dimensions														
Dimensions in mm	301x297x160		270x190x125		340x230x260		350x230x310		530x360x585		550x410x650			
Weight	6.5Kg	7Kg	8.5kg	9.35kg	9.5kg	15.9kg	18.3kg	21.4kg	26.3kg	43kg		51kg	73kg	78kg

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