



SOLAR hybrid ups SERIES



IN-BUILT BATTERY CHARGER
TO PREVENT DEEP DISCHARGE



Great
Power Saving
Up To 30%



Battery Charge At
Very Low Voltage
Till 90v



User friendly
Interface



Backup Time
More Than 12%



Technical Specifications

PARAMETERS	700VA-1100VA(12V) 1700VA-2000VA (24V) / 2.5KVA (24V) / 3.5KVA-4000KVA(48V) / 5KVA-5.5KVA (48V) / 6KVA(72V) / 7.5KVA(96V) / 10KVA(120V)							
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 18.5	20.5 23.5	21.5 24.5	43.0	47.0	55.0	65.0
Gross Weight (Kg)	9.3 Kg/ 10.1 Kg/ 10.25 Kg	16.9 19.3	21.0 24.0	22.0 25.0	43.5	47.5	55.5	65.5



Marketed By.: Su-mak Power Systems Ltd.

Plot no.49, phase 2, 8th cross road, G T Road, Nellore -524004,
Andhra Pradesh, (INDIA)
Customer care no: +919700335000 (For India)
Contact No. +91 9700877707 (For Export)
web: www.sumaksolar.com,
email: info@sumaksolar.com, export@sumaksolar.com