

SOLAR PCU

SOLAR UPS MODELS	SO312	SO612	SO812	SO1024	SO1524 SO1536 SO1548	SO2036 SO2048 SO2072	SO2548 SO2572	SO3048 SO3072 SO3096	SO3548 SO3572 SO3596	SO4072 SO4096	SO5036 SO5048 SO5096 SO5120 SO5144 SO5192	SO6144 SO6192	SO7.5144 SO7.5192	SO10096 SO10120 SO10192	SO15096S O15120S O15192	SO20096 SO20120 SO20192	SO30192 SO30240 SO30360
INPUT																	
Input Voltage Range	100V ~ 300V (Wide input voltage range) / 170-500V AC 180V ~ 260V (Normal input voltage range) / 320-480V AC																
Nominal Input Voltage(s) Supported	220V AC , 50Hz / 415VAC , 50Hz																
Input connection type	Hard Wire																
BATTERY Full Load Runtime (minutes)	Depends on Load & Battery AH																
No of Battery	1	1	1	2	2 / 3 / 4	3 / 4 / 6	4 / 6	4 / 6 / 8	4 / 6 / 8	6 / 8	3 / 4 / 8 / 10 / 12 / 16	12 / 16	12 / 16	8 / 10 / 16	8 / 10 / 16	8 / 10 / 16	16/20/30
Solar Charge Controller																	
Type	MPPT/PWM																
Max.PV Open Circuit Array Volatge	22VDC	22VDC	22VDC	44VDC	44/66/88V DC	66/88/132 VDC	88/132VD C	88/132/17 6VDC	88/132/17 6 VDC	132/176V DC	66/88/176/220/ 264/352 VDC	264/352V DC	264/352VD C	176/220/35 2VDC	176/220/35 2VDC	176/220/352 VDC	352/440/660 VDC
Max. Current	25A	50A	66A	42A	62A / 42A / 32A	55.5A / 42A / 32A	52A / 35A	62A / 42A / 32A	73A / 50A / 36A	56A / 42A	110A / 104A / 52A / 42A / 35A / 26A	42A / 31A	52A / 40A	104A / 84A / 52A	156A / 125A / 78A	208A / 166A / 104A	156A/125A/ 84A
Charge Algorithm	3-stage Bulk / Acceptance / Float Plus Equalize																
LCD Display	Backlit, Alphanumeric Display showing battery voltage, DC amperage, Cumulative KWH hours																
OUTPUT																	
Output Volt Amp Capacity (VA)	300 (VA)	600 (VA)	800 (VA)	1000 (VA)	1500 (VA)	2000 (VA)	2500 (VA)	3000 (VA)	3500 (VA)	4000 (VA)	5000 (VA)	6000 (VA)	7500 (VA)	10000 (VA)	15000 (VA)	20000 (VA)	30000 (VA)
Output Watt Capacity (watts)	240W	480W	640W	800W	1200W	1600W	2000W	2400W	2800W	3200W	4000W	4800W	6000W	8000W	12000W	16000W	24000W
DC System Voltage (VDC)	12V	12V	12V	24V	24V / 36V / 48V	36V / 48V / 72V	48V / 72V	48V / 72V / 96V	48V / 72V / 96V	72V / 96V	36V/48V/ 96V/120V/ 144V/192V	144V / 192V	144V / 192V	96V / 120V / 192V	96V / 120V / 192V	96V / 120V / 192V	192VDC/24 0VDC/360V DC
Load Capacity	>110% faulty after 300ms																
Phases	1Phase - 3 Wire (L.N.E)/ Three phase -4 Wire (R.Y.B.N)																
Output AC waveform	Pure Sine Wave																
Efficiency	> 88%																
GENERAL																	
LCD / LEDs Indications	UPS ON (Yellow), Battery Low (Red), Mains ON (Green),Charging (Green), Overload(Red)																
Alarms	Audible alarm indicates power failure and overload conditions																
Switches	1)Switch control off / on power status 2)Switch for mains input voltage range 3)Switch to select the maximum charging voltage																
Protection	> 300% Load (with manual reset function)																
Cooling Method	Forced air cooled																
Transfer Time	Battery to line mode : 300 milliseconds / Line to battery mode : 300 milliseconds																
Housing Material	Powder coated / painted MS																
ENVIRONMENTAL																	
Operating Temperature Range	0°C to 50°C																
Relative Humidity	95% (non-condensing)																
Degree of Protection	IP 20																
BATTERY																	
No of Battery	1	1	1	2	2 / 3 / 4	3 / 4 / 6	4 / 6	4 / 6 / 8	4 / 6 / 8	6 / 8	3 / 4 / 8 / 10 / 12 / 16	12 / 16	12 / 16	8 / 10 / 16	8 / 10 / 16	8 / 10 / 16	16/20/30
Battery Charging Profile(Boost /Foat)	Suitable according to Battery type (eg : VRLA/SMF/Wet Lead Acid Battery)																
Max Charging Current(when battery is fully discharge)	10A ±2amp																
SPECIAL FEATURES																	
Cold Start (startup in battery mode during a power failure)	Cold-start operation supported																
Charge End Voltage	Grid charging stop when battery reaches 13.8V ±0.2V and transfer to backup mode (per battery)																
Grid Recharge Voltage	Grid charging starts when battery reaches 11V ±0.2V and transfer to grid (per battery)																
CERTIFICATIONS																	
Quality Certifications	ISO 9001 : 2008																
WARRANTY																	
Product Warranty Period	1-year limited warranty																