MADE IN INDIA

SUNRIDE®
SOLAR

MOST ADVANCED TECHNOLOGY
MPPT BASED PCU

FORGET THE FEAR OF DARKNESS WITH ULTRA

SUNNY PLUS
SOLAR HYBRID UPS
POWER CONDITIONING UNIT

900
12V

- 30% MORE EFFICIENT
- CHARGING FROM MAINS UPTO 90 VOLTS
- WELCOME YOU LCD DISPLAY
- DSP ADVANCED DSP CONTROLLER FOR EFFICIENT WORKING

www.sunride-solar.com

PARAMETERS	MODELS
iModel	900VA/12V
No Load Current	≤ 2.0A
Output Voltage @ No Load	≤ 240VAC @12.3VDC
Battery Current @ Full Load	43A ±2A
Over Load Alarm	45A ±2A
Battery Low Alarm	10.6 ±0.2V
Battery Low Shutdown	10.4 ±0.2V
Short Circuits Protection	Yes
Inverter Output Frequency	50 ± 0.1 Hz
	UPS MODE
Mains Input Volatge Range	170V To 265V
Mains AC Low Cut	170VAC ±5VAC
Mains AC Low Cut Recovery	180VAC ±5VAC
Mains AC High Cut	265VAC ±5VAC
Mains AC High Cut Recovery	250VAC ±5VAC
Maximum Change Over Time	<10msec
	W-UPS MODE
Mains Input Volatge Range	90V To 295V
Mains AC Low Cut	90VAC ±5VAC
Mains AC Low Cut Recovery	110VAC ±5VAC
Mains AC High Cut	290VAC ±5VAC
Mains AC High Cut Recovery	280VAC ±5VAC
Maximum Change Over Time	<20msec
	CHARGING MODE
Charging Current@220VAC	15.0 ±2A
Boost Voltage(Tub. Mode)	14.3V ±0.2V
Boost Voltage(LA. Mode)	14.0V ±0.2V
Boost Mode(Enable Tub. Mode)	15.0V ±0.2V
Boost Mode(Enable LA Mode)	14.8V ±0.2V
Float Volatge	13.6V ±0.2V
Short Circuit	Yes
	PROTECTION
Battery Low Cut Off	1 Time
Over Load (Auto Retries)	4 Times
Short Circuits (Auto Retries)	3 Times
Over Temperature	3 Times
Battery Over Charge	Yes
Input Protection	Yes (Mains MCB Trip in Case of Short Circuit in Mains Mode)
	PV PARAMETER
Rating	12V-30Amp.
Input PV Volatge Max. Voc	25V
Maximum Solar Arrey Power	660W
Maximum PV Modules	190W
Type of Control	Micro Controller
Type of Solar Charger	PWM
Efficiency Of SCC	>90%
PV Volatge High Protection	35V
PV High Current Protection	35Amp.
	DISPLAY
16X2 LCD	Mains Voltage, Output Voltage, Battery Charging, Battery Charged, Solar Voltage, Solar Current, Main MCB Trip and all protection alert with it's remedy.
20X4 LCD	
LED INDICATIONS	Mains On, Charging, On, UPS, On, Battery Low, Overload