



Salient features

- In built USB port for mobile phone charging.
- Automatic Selection of 12/24V Battery
- PWM Technology
- Efficiency > 96%
- Electronic short-circuit Protection
- In-Built Load Controller with LVD Feature
- Option for Lead-acid or SMF battery selection



Solar LED



Battery State Of Charge LED (SOC)



Fault LED

SPECIFICATIONS	PARAMETERS	
System Rating	20A @ 12V / 24V	
Technology	PWM	
Maximum Solar Panel Wattage	400Wp @ 12V	800Wp @ 24V
Maximum Solar Panel Voltage	45V	
Low Voltage Disconnect:		
a) By state of Charge	10.25-10.75V	20.5-21.5V
b) Controlled by Voltage	10.25V±1%	20.50V±1%
Load Reconnect	12.0V±1%	24.0V±1%
Boost Voltage:		
a) For Lead Acid	14.50V±1%	29.0V±1%
b) For SMF	14.20V±1%	28.40V±1%
Float Voltage	13.8V±1%	27.6V±1%
Self Consumption	Less than 20mA	
Mobile Charging Voltage	5.5±0.2V	
Mobile Charging Current	600mA±50mA	
Efficiency:		
a) Charging	> 96%	
b) Load	> 96%	
Operating Temperature Range	0°C to +45°C	
Dimensions (mm)	138 x 57 x 129 (L x W x H)	
Power Connection	30A Terminal Block	
Wire Size	6mm ² Maximum	
Grounding	Positive	
Net Weight	360 gms	
Enclosure	ABS Plastic, IP21	

