

300W & 600W AC Solar Unit

The Solar Combination Box has been developed with low cost housing, game farm and holiday chalets, alternative accommodation and even camping enthusiasts in mind. Smart built in features such as the MPPT Solar Charger protect the batteries whilst charging the battery up to 30% more than a standard solar regulator. The inverter allows for a television set, a set of lights or laptop, and a 12v cellular charger to be attached simultaneously, and will protect itself if overloaded by switching off. Conveniently and safely enclosed in a durable and rugged, yet aesthetically pleasing steel enclosure, ensures that the Microcare Solar Combination Box is suitable to all African continent environments.



- Built In MPPT Solar Charger.
- LED Battery Indicator.
- Low idle current
- High Surge capacity
- 12 volt output for cell phone charging
- 220 volt Sine Output for lights ,TV and Laptops.
- Protection against short circuits
- Approximately 4 watts stand-by
- Built in Solar MPPT battery charger
- Locally manufactured
- Minimum Service Turnaround
- Fan cooling for optimum performance
- Audible Buzzer indicating faults and overload conditions
- 3 Year Carry In Warranty

	Model	300W	600W
Output	AC Voltage	230V	
	AC Amps	1.2A	3.0A
	Rated Power	300W	600W
	Surge Power	400W	800W
	Waveform	Sine Wave	
	AC Regulation	±5%	
	THD	<3%	
	Frequency	50Hz	
	Display	LED	
Input	DC Voltage	12	24
	DC Amps Max	30A	
	Voltage Range	10/14V	20/28V
	Efficiency	>89%	
Battery	105Ah	1 battery	2 batteries
Solar	Panels	80/100W 21VVOG	160/200W 42VVOG
	MPPT Charger	10A MPPT	
Protection	Circuit Breaker	50A	
	Battery Low Alarm	Yes	
	Overload	Shut off power and repower to turn on	
	Over/Under Voltage	Auto shutdown	
	Over Temperature	Auto shutdown and reset	
	Output short	Shut off Voltage and repower to turn on	
	Cooling	Fan cooled	
Environment	Working Temp	0-40°	
Dimensions	300W	13kg, 37cm (L) x 20cm (W) x 48cm (H)	
	600W	15kg, 37cm (L) x 20cm (W) x 80cm (H)	