



# DC TO AC INVERTER

## 80W Continuous 120W Peak

The 80Watts Continuous / 120Watts Peak DC to AC inverter is designed to convert 12Volt or 24Volt DC power from any cigarette light socket to 120Volt or 230Volt ,50/60Hz AC power .This unit will deliver up to 120Watts of peak AC power to handle surge power loads.



Size:93x88x37mm

### Features:

- \*12 or 24VDC input voltage
- \*Cigarette light plug
- \*Single output.
- \*Optional output socket
- \*Short circuit and over-temperature and over power protection.
- \*Over voltage and low voltage and reverse at input side protection.

### Input:

Parameter	Condition/Description	Min	Nom	Max	Units
Input voltage		11		15	VDC
No-Load current Draw				0.15A	

### Output:

Parameter	Condition/Description	Min	Nom	Max	Units
Output voltage		114	120	132	V
		218.5	230	253	
Output frequency		57.5	60	62.5	Hz
		47.5	50	52.5	
Output continuous power				80	W
Output peak power				120	W

## Protection:

Input					
Parameter	Condition/Description	Min	Nom	Max	Units
Reverse					
Over voltage			15		V
Low voltage			10		V
Output					
Over temperature			95		Degree C
Over power				125	W
Short-circuit					

## General & Environmental:

Parameter	Condition/Description	min	nom	max	units
Efficiency	Typical at full load		90%		
Operating temperature		0		+40	
Storage temperature		-40		+85	
Humidity	Non-condensing	5%		90%	RH

## Model:

Model	Input Voltage (V)	Output Volage (V)	Output ContinuousPower (W)
M80W12-120	12	120	80
M80W24-120	24	120	80
M80W12-230	12	230	80
M80W24-230	24	230	80