

# DC TO AC POWER INVERTER

## CAR INVERTER PI120-120W


### Inverter Expert

#### ■ FEATURES

- ▶ Small in size and portable, high efficient  
12V or 24V DC input
- ▶ USB output : 5V 2A or 500mA optional
- ▶ Can be used both in car and airplane
- ▶ Power & Failure indicator
- ▶ Output socket type optional
- ▶ Protections: low voltage, over voltage, overload,  
overheating, short circuit, reverse polarity
- ▶ CE-LVD/EMC, RoHS, E-mark certified.
- ▶ 18months warranty



#### ■ Specifications

Model	PI120-121	PI120-122	PI120-241	PI120-242
O/P AC Voltage	110V	230V	110V	230V
O/P AC Voltage Range	100-120V AC/220V-240V AC			
Rated Power	120W			
Peak Power	240W			
O/P Waveform	Modified Sine Wave 			
O/P Frequency	50/60Hz±3			
No Load Current Draw	≤ 0.4A			
Efficiency	≥90%			
USB O/P (optional)	5V 2A(for iphone, ipad)			
LED Indicators	Green for power on, red for failure			
DC Voltage	12V		24V	
Voltage Range	9.5~16V DC		19~32V DC	
DC Connector	600mm cigarette lighter plug *1 ea(can be used both in car&airplane)			
Low Voltage Shutdown	10.5±0.5V DC		21±1V DC	
Overload Protection	Shut off o/p voltage, auto.reset			
Over Voltage Shutdown	15~16V DC		30~32V DC	
Over Temperature Protection	Shut off o/p voltage, auto. reset			
Output Short-circuit Protection	Shut off, auto.reset			
Reverse Polarity Protection	by fuse open			
Replaceable Fuse	20A		10A	
Working Temp.	0~30°C=@ 100% load; 40°C=@50% load			
Working Humidity	20%~90% RH non-condensing			
Storage Temp., Humidity	-30~+70°C/-22~+158°F, 10~95%RH			
Temp. Coefficient	10%~90% RH			
Isolation Resistance	I/P-O/P:100M Ohms/500VDC/25/70%RH			
EMI Conduction & Radiation	Compliance to EN55022 class B, 72/245/CEE, 95/64/CE			
EMS Immunity	Compliance to EN61000-4-2,3			
LVD	Compliance to EN60950			
N.W.(g)	210g			
Dimension(cm)	140×77.5×48mm			
Packing	Double-side Blister,32 units/14.8Kg/Ctn(48*32*46cm)			
Output Socket	C, E, F, G, H, I			

Note: Specification prior to change without notice