

# SMART POWER INVERTER PID120-120W

WITH DIGITAL DISPLAY **Inverter Expert**


**NEW**



## FEATURES

- ◀ 1.Small in size and portable, high efficient
- ◀ 2.12V or 24V DC input
- ◀ 3.USB output : 5V 2A ( for iphone ,ipad etc) or 500mA optional
- ◀ 4.Can be used both in car and airplane
- ◀ 5.LED digital display :
  - Input voltage (V)
  - Output power (W)
  - Protections Status:
    - A: warning: A-1 overload warning
    - A-2 overheat
    - A-3 less voltage warning
    - P: Protection: P-1 overload protection
    - P-2 over heat protection
    - P-3 less voltage protection
    - P-4 over voltage protection
- ◀ 6.Output socket type optional
- ◀ 7.Protections: low voltage, over voltage, overload, overheating, short circuit, reverse polarity
- ◀ 8.CE-LVD/EMC, RoHS, E-mark certificated.
- ◀ 9.18months warranty

## SPECIFICATIONS

Model	PID120-121	PID120-122	PID120-241	PID120-242
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) 5V/500mA			
LED Digital Display	Input Voltage, Output Power, Protection Status			
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	Shut off o/p voltage, auto.reset			
Over Voltage	15~16V DC		30~32V DC	
Over Temperature	Shut off o/p voltage, auto. reset			
Output Short-circuit	Shut off, auto.reset			
Reverse Polarity	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 chass B, 72/245/CEE, 95/64/CE			
EMS Immunity	Compliance to EN61000-4-2,3			
LVD	Compliance to EN60950			
N.W.(g)	315g			
Dimension(cm)	118 × 74 × 21mm			
Packing	Double-side Blister,18 units/14.8Kg/Ctn(48*32*46cm)			
Output Socket	C, E, F, G, H, I(optional)			

Note: Specification prior to change without notice