ULTIMATE POWER

Manufacturer of Inverters, Battery Management Devices & Lithium Batteries



LISTED

PCUL Series

2000 and 3000 Watts

DC to AC Pure Sine Wave PowerInverter

Combined Inverter & Charger

Your Choice when Performance Matters

Better Built, Better Solutions and Better for the **Environment**

PCUL Series DC to AC Power InVerters

Pure Sine Wave

LISTED
POWER INVERTER & CHARGER
E343914

Your Choice when Performance Matters

	INVERTER & CHARGER MODEL	
INVERTER SPECIFICATIONS	**UP12/2000PCUL**	**UP12/3000PCUL**
Continuous Output Power (Watts) (AC Amps)	2000/16.6	3000/25
Maximum Output Power (Watts) (AC Amps)	2500/ 20.8	3750/31.2
Surge Rating (Max.) (Watts) (AC Amps)	6000/50	9000/75
Capable of Starting Electric Motor	2HP	3HP
Efficiency	85% (Peak)	83% (Peak)
Output Voltage RMS/Output Voltage Regulation	120Vac ± 3%	
Output Frequency	60Hz ± 0.3%	
Output Waveform	Pure Sine Wave, less than 5% THD typical	
Input Voltage Regulation (Volts DC)	10 to 16	
Continuous Input Current at 12.5V(Amps DC)	160	240
Low Battery Alarm (Volts DC)	11 .9	
Low Battery Shutdown (Volts DC)	11.4	
Operating Temperature	-4°F to 122°F (-20°C to 50°C)	
Dimensions (LxWxH)	21 x 8.75 x 7.5 inches	
Weight (Lbs.)	49	60
Warranty w/Advance Replacement	5/2 Years	
Optional Remote Panel	Remote Switch Panel w/ Status LED's	
CHARGER SPECIFICATIONS	**UP12/2000PCUL**	**UP12/3000PCUL**
4 Stage Battery Charger	4 Stage (CC,CV,Float & Monitor)	
Automatic Transfer Relay	30Amps, (Transfer Time 10ms ± 4ms)	
Input Voltage Range (Volts AC)	100 - 135	
Output Voltage (Volts DC)	Dependent on Battery Type Selected	
Charger Current (Amps DC)	95	125
Battery Voltage for Start-up (Volts DC)	11.4 - 15.7	
Over Charge Protection Shutdown (Volts DC)	15.7	

Charger Curves (4 stage constant current) battery types 4 step digital controlled progressive charge		
Battery Types	**Charger Curves**	
Gel U.S.A.	14.0 (Fast V)	13.7 (Float V)
A.G.M.1	14.1 (Fast V)	13.4 (Float V)
Lithium Ion ($LiFePO_4$)	14.6 (Fast V)	13.7 (Float V)
Sealed Lead Acid	14.4 (Fast V)	13.6 (Float V)
Gel Euro	14.4 (Fast V)	13.8 (Float V)
Open Lead Acid	14.8 (Fast V)	13.3 (Float V)
Calcium	14.2 (Fast V)	13.8 (Float V)
De-Sulphation	15.5 (Fast V) for 4Hrs	
CV-FL	13.6 (Fast V)	13.5(Float V)

Product Features

Listings

- UL 485

Unit Protection

- Automatic Overload/Short Circuit Protection
- Automatic High Battery Alarm and Shutdown at 16Vdc
- Automatic Over-Temperature Alarm and Shutdown
- Thermally Controlled Cooling Fan

Battery Protection

- Automatic Low Battery Alarm at 11.9 VDC
- Automatic Low Battery Shutdown at 11.4 VDC
- Over Temperature
- High or Low Battery Voltage

Other Features

- Duplex GFCI Outlet
- AC input/output Connections
- Remote 12Vdc Switch Connection
- Optional LED Remote Panels
- Shore Power Nuisance Trip Protection
- Ready Mode
- Adjustable DC current output (Battery Charger)
- Owner's Manual

ULTIMATE POWER

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