

U L T I M A T E POWER

Manufacturer of Inverters, Battery Management Devices & Lithium Batteries



LP-CG Series
600, 1000 & 1500 Watts

DC to AC **Power Inverter**

Pure Sine Wave
Combined Inverter & Charger

Your Choice when Performance Matters

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

LP-CG SERIES COMBINED INVERTER & CHARGER SPECIFICATIONS

INVERTER SPECIFICATIONS	UP12/600LP-CG	UP12/1000LP-CG	UP12/1500LP-CG
Continuous Output Power (Watts) (Ac Amps)	600/5	1000/8.3	1500/12.5
Maximum Output Power (Watts) (Ac Amps)	750/6.2	1250/10.4	1875/15.6
Surge Rating (Max.) (Watts) (Ac Amps)	1800/15	3000/25	4500/37.5
Capable of Starting Electric Motor	N/A	3/8 HP	3/4 HP
Efficiency	90% (Peak)		85% (Peak)
Output Voltage RMS/Output Voltage	120Vac $\pm$ 3%		
Output Frequency	50/60Hz $\pm$ 0.3%		
Output Waveform	Pure Sine Wave, less than 5% THD typical		
Input Voltage Regulation (Volts DC)	11 to 16		
Input Current (Amps DC) (at 12.5Vdc)	48	80	120
Low Battery Alarm (Volts DC)	Selectable 11.9/12.4		
Low Battery Shutdown (Volts DC)	Selectable 11.4/11.9		
Operating Temperature	-4°F to 122°F (-20°C to 50°C)		
Dimensions (LxWxH) (Inches)	16 x 7 x 5.5		16 x 8.75 x 7.5
Weight (lbs.)	16.5	24.3	39.7
Warranty w/ Advance Replacement	5/2 Years		
Optional Remote Panels	Remote Switch Panel w/ Status LED's		

CHARGER SPECIFICATIONS	UP12/600LP-CG	UP12/1000LP-CG	UP12/1500LP-CG
4 Stage Battery Charger	4 Stage (CC,CV,Float & Monitor)		
Automatic Transfer Relay	15 Amps, (Transfer Time 10ms $\pm$ 4ms)		
Input Voltage Range (Volts AC)	Selectable 100 - 135Vac or 90 - 135Vac		
Output Voltage (Volts DC)	Dependent on Battery Type Selected		
Charger Current (Amps DC)	Up to 30	Up to 50	Up to 65
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 (LiFePO4)	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

- CETL US

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 selectable at 11.9 or 12.4 VDC
- Automatic Low Battery Shutdown selectable at 11.4 or 11.9 VDC
- Over Temperature
- High or Low Battery Voltage

Other Features

- Duplex GFCI Outlet
- AC input/output Connections
- Remote 12Vdc Switch Connection
- Optional LCD and LED Remote Panels
- Shore Power Nuisance Trip Protection
- Auto Generator Start Function
- Ready Mode
- Adjustable Low Battery Trip Voltage
- AC/Battery Priority
- Adjustable DC current output (Battery Charger)
- Case Design: Low Profile
- Owner's Manual