ULTIMATE POWER

Manufacturer of Inverters, Battery Management Devices & Lithium Batteries

Prairie Equipment Company, LLC

Warehouse Distributor Ultimate Power Inverters, Batteries, & Support Components

Phone 952-949-2430
Email pec.sales@outlook.com



LP-CG Series
600, 1000 & 1500 Watts

DC to AC Pure Sine Wave Power Inverter

Combined Inverter & Charger

Your Choice when Performance Matters

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

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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	1350/11.2	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)		
Output Voltage RMS/Output Voltage	120Vac ± 2%		
Output Frequency	60Hz ± 0.03%		
Output Waveform	Pure Sine Wave, less than 5% THD typical		
Input Voltage Regulation (Volts DC)	10 to 16		
Input Current (Amps DC) (at 12.5Vdc)	50	83	125
Low Battery Alarm (Volts DC)	Selectable 12.4 or 11.5		
Low Battery Shutdown (Volts DC)	Selectable 11.9 or 11		
Operating Temperature	-4°F to 122°F (-20°C to 50°C)		
Dimensions (LxWxH) (Inches)	12.8 x 6.8 x 5.3	14.3 x 6.8 x 5.3	16.2 x 8.7 x 7.0
Weight (lbs.)	16.5	24.3	39.7
Optional Remote Panels	LCD and LED Remote Panel		

CHARGER SPECIFICATIONS	UP12/600LP-CG	UP12/1000LP-CG	UP12/1500LP-CG
4 Stage Battery Charger	4 Stage (Bulk, Accept, Float and Desulfation)		
Automatic Transfer Relay	15 Amps, (Transfer Time 10ms ± 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 25	Up to 45	Up to 70
Battery Voltage for Start-up (Volts DC)	0 - 15.7		
Over Charge Protection Shutdown (Volts DC)	16		

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	15.1 (Fast V)	13.6 (Float V)
De-Sulphation	15.5 (Fast V) for 4Hrs	

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 12.4 or 11.5Vdc
- Automatic Low Battery Shutdown selectable at 11.9 or 11Vdc
- Over Temperature
- High Battery or Low Battery

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

ULTIMATE POWER

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