

MAGNUM POWER



DC to AC
Power Inverter Pure Sine Wave

Your Choice when Performance Matters

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

CSW SERIES: HIGH FREQUENCY INVERTER SPECIFICATIONS

INVERTER SPECIFICATIONS	CSW1204	CSW1210	CSW1220
Continuous Output Power (Watts) (Ac Amps)	400/3.3	1000/8.3	2000/16.6
Surge Rating (Max.) (Watts) (Ac Amps)	800/6.6	2000/16.6	4000/33.3
Efficiency	> 90% (Peak)		
Output Voltage RMS/Output Voltage	120Vac ± 3%		
Output Frequency	60Hz ± 0.3%		
Output Waveform	Pure Sine Wave, less than 5% THD typical		
Nominal Input Voltage (Volts DC)	12.5		
Input Voltage Regulation (Volts DC)	10.5 to 15.5		
Low Battery Alarm (Volts DC)	11.0		
Low Battery Shutdown (Volts DC)	10.5		
Input Current (Amps DC) (at 12Vdc)	34	84	167
No Load Battery Draw	< 0.8	1.2	
Operating Temperature	32°F to 104°F (0°C to 40°C)		
Dimensions (LxWxH) (Inches)	6.9 x 7.9 x 3.5"	12.3 x 6.9 x 3.4"	16.3 x 9.1 x 4.3"
Weight (lbs.)	3.8#	6.6#	11.5#
Limited Warranty	1 Year		
Optional Remote Panels	N/A	Remote Switch Panel and Ignition Start	
USB	5V 2.1A		
Agency Markings	cETLus		

Product Features

Listings

- CETL US

Unit Protection

- Automatic Overload
- Automatic High Battery Alarm and Shutdown at 15.5Vdc
- Automatic Over-Temperature Alarm and Shutdown
- Thermally Controlled Cooling Fan

Battery Protection

- Automatic Low Battery Alarm set at 11 VDC
- Automatic Low Battery Shutdown set at 10.5 VDC
- High or Low Battery Voltage

Other Features

- Duplex GFCI Outlet
- Optional 12VDC Ignition Switch Connection (CSW1210, CSW1220)
- Optional Remote Control Panel (CSW1210, CSW1220)
- Case Design: Low Profile
- 5V USB
- Display screen to show voltage, wattage and error codes

Estimated Run Time on a 100AH Battery Bank		
Load	Consumption	Run Time
Phone Charger	5W	180 Hours
Clock / Radio	8W	112 Hours
Incandescent Bulb	40W	22 Hours
Freezer (8.8 Cu. ft.)	80W	11 Hours
20" LCD TV	100W	9 Hours
Refrigerator (18 Cu. ft.)	120W	7 Hours
Sump Pump (1/2hp)	350W	3 Hours
Microwave (mid-size)	1000W	1 Hours
Coffee Maker	1200W	45 Minutes