



## Bioenno Power®

12630 Westminster Ave., Suite H  
 Santa Ana, California 92706, USA  
 www.bioennopower.com  
 sale@bioennopower.com  
 Phone: +1 714 234-7363  
 +1 949 310-9899

### Bioenno Power®

#### BLF-1220TS

#### ABS Sealed Version

#### 20A Continuous Discharge Current

#### 12V, 20Ah LiFePO4 (Lithium Iron Phosphate) Battery

Nominal Voltage	12.8V
Nominal Capacity	20 Ah
Case Type	ABS Sealed
Internal Impedance	< 100 milli-ohms
Nominal Charge Voltage	14.6 VDC (+/- 0.05V)
Discharge Cutoff Voltage	9.2 (+/- 0.5V)
Continuous Discharge Current	<b>20A (Electrical Load should not exceed 20A continuous)</b>
Max Peak Pulse Discharge Current	60A (2 Seconds)
Charge Method <i>LiFePO4 Batteries must be charged using CC/CV Method. Bioenno Power advises use of LiFePO4 chargers that are compatible with Bioenno Power batteries.</i>	Constant Current (CC) / Constant Voltage (CV)  CC Charging Current: <8A Constant Voltage: 14.6 VDC Charging Cut-Off Condition: < 200 mA
Cycle Life	2000 Charge Cycles (at 0.2C discharge rate)
PCM (Protection Circuit Module) Parameters Built in Protection Circuit Module	Overcharge Protection for Each Cell: Min: 3.775 V; Typical: 3.8V; Max: 3.825 V  Overcharge Recovery Protection for Each Cell: Min: 3.55V; Typical: 3.6V; Max: 3.65V  Undercharge Protection for Each Cell: Min: 1.92V; Typical: 2.0V; Max: 2.08V  Undercharge Recovery Protection for Each Cell: Min: 2.2V; Typical: 2.3V; Max: 2.4V  Discharge Overcurrent Protection: Min: 70A; Typical: 80A; Max: 90A  Over Temperature Protection: Min: 60 deg C; Typical: 65 deg C; Max: 70 deg C  Over Temperature Recovery Protection: Min: 50 deg; Typical: 55 deg C; Max: 60 deg C
Dimensions	7.09 in. x 6.54 in. x 2.95 in. (180 mm x 166 mm x 75 mm)
Weight	7 lbs. (3.18 kg.)
Operating Temperature	Charging: 32F to 113F (0 deg C to 45 deg C) Discharging: 14F to 140F (-10 deg C to 60 deg C)
Storage Temperature	41F to 95F (5 deg C to 35 deg C)

#### Warranty (6 months)

Bioenno Power and Bioenno Tech LLC warrants only to the original purchaser of this product that this product is free of defects in material and workmanship for 6 months from time of purchase as indicated on this receipt. This product will be replaced within the 6 month time period as long as the buyer contacts Bioenno Power and Bioenno Tech LLC within this time period (by telephone or email communication). Purchaser pays for return shipping. This warranty does **NOT** cover damage to the product caused by abuse or neglect, modification by tampering with the product casing, failure to keep the battery properly charged or maintained, disposal in a fire, freezing, theft, overcharging, or other forms of damage. This warranty shall be in lieu of any other warranty, express or implied, including but not limited to, any implied warranty of merchantability or fitness for a particular purpose.