



## Incredible OFF GRID Operation

### GENERAL DESCRIPTION

Neptun's LFP 24V battery systems feature a long life, fully rechargeable unit. The exceptional storage system allows for over 30 hours of use without a single recharge. It can be used in a variety of applications along side Neptun's solar compatible lighting fixtures and PV Solar Panel systems.

### APPLICATION

- Street Lighting
- Parking Lot Lighting
- Billboard & Sign Lighting
- Parking Garage Lighting
- Building Accent Lighting

### STRUCTURE, MATERIALS, & FEATURES

- Heavy-gauge, die-cast aluminum housing.
- Lithium Iron Phosphate (LFP) Batteries.
- Intelligent PWM Charge/Discharge Controller for MPPT operation.
- Programmable On/Off time of operation for 4, 6, 8, 10, or 12 hours.
- Corrosion resistant electrocoat gray finish (custom colors available).
- Hinged aluminum door frame incorporates stainless steel hardware.
- Continuous silicone gasketing surrounds housing for weather - tight seal.
- Free standing mount.
- 5 Year Warranty on complete unit.
- Compatible with Neptun LED & Induction 24VDC lighting fixtures (60-80W).

### ORDERING INFORMATION

Sample Number: NE-LFP-100Ah-24VDC-FSM  
Custom options and accessories available. Please consult factory

Series	System	Battery Size	Voltage	Mounting
NE = Neptun Energy	HLFP = Lithium Iron Phosphate	100Ah = 100 Amp Hour	24VDC = 24 Volt DC	FSM = Free Standing Mount



### PRODUCT INFORMATION - LFP 24V BATTERY

Model No.	Typical Capacity	Nominal Voltage	Discharge Cutoff	Max Charge Voltage	Max Discharge Current
NE-HLFP-100Ah-24VDC	100 Ah	24V	AUTO @ 20% CAPACITY	40V	20A

### PRODUCT INFORMATION - PWM SOLAR CHARGE CONTROLLER

Model No.	Total Rated Charge Current (Max)	Total Rated Load Current (Max)	System Voltage
NE-CL10-20-24VDC	20A	20A	24V/12V AUTO

### SPECIFICATIONS

- Battery Type.....Lithium Iron Phosphate
- System Voltage.....24 VDC
- Charge Operating Temperature.....0°C - 45°C
- Discharge Operating Temperature.....-20°C - 60°C
- Storage Temperature.....-20°C - 55°C
- Storage Humidity.....< 85%
- System Cycles.....5,000
- Weight.....140 lbs
- EPA Rating.....2.0 ft<sup>2</sup>
- FCC Compliance.....Part 18, Subp. C
- UL Standard 1703.....Yes
- Warranty.....5 Year

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