

## 200ah Model

This 48 V Battery System delivers the most efficient and cleanest, long-life battery backup solution to (+/-) 48Vdc Telecommunications Systems. Precision Group's lithium iron phosphate (LiFePO4) was developed specifically for Telecom equipment as a drop-in replacement to legacy Sealed Lead Acid Batteries, the ease of installation, integrated Battery Management System (BMS), onboard SNMP, and maintenance-free design offers the industry's future for Telecom Standby Power.



### FEATURES

SAFE, STABLE CHEMISTRY

LONGER SHELF LIFE

GREATER CYCLE LIFE

BETTER HIGH AMBIENT HEAT LIFE AND PERFORMANCE

REMOTE MONITORING AND ALARMING THROUGH SNMP

INTEGRATE SNMP WITH YOUR NETWORK MANAGEMENT SYSTEM FOR A "SINGLE PANE OF GLASS" NOC

COMPATIBLE WITH ALL STANDARD RECTIFIERS

MORE USABLE CAPACITY THAN SIMILAR AMP HOUR LEAD ACID SOLUTIONS

PARALLEL OPERATION FOR SCALABILITY

BUILT-IN AUTOMATIC PROTECTION FOR OVER-CHARGE, OVER-DISCHARGE AND OVER-TEMPERATURE CONDITIONS

BUILT-IN BATTERY MANAGEMENT SYSTEMS (BMS) FOR HIGHEST LEVEL OF OPERATIONAL EFFICIENCY

LCD DISPLAY

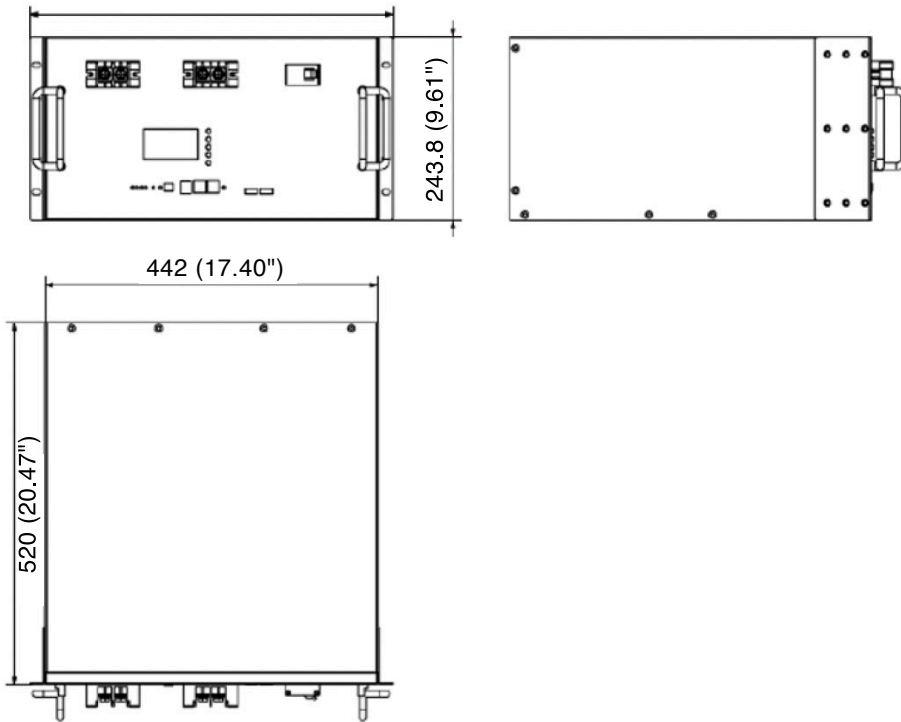
REDUNDANT SAFETY

INTERNAL CELL BALANCING

40-60% LESS WEIGHT THAN SEALED LEAD ACID SOLUTIONS

INTEGRATED HEATING BLANKET

## DIMENSIONS



## ORDERING GUIDE

PP-48LFP200-L-H-SNMP      Lithium iron phosphate battery, 200 amp-hour, 6RU, 19-inch rackmount, included SNMP, LCD display, and internal heater.

## SPECIFICATIONS

State of Charge Indicator

Alarm "Status" LED

Communications Ports For: Battery Health Statistics, Temperature Monitoring, Alarm Alert, Current, Voltage, etc.

\*Safe, Easy install by anyone in less than 5 minutes

\*Connects to any standard 48V Charging System

\*Direct Drop-in Replacement to 48V String of Sealed Lead Acid

- Central Office Standby Power
- Remote FTTx or xDSL Cabinet Standby Power
- Commercial/MDU Standby Power
- Data Center Standby Power
- Wireless ISP Standby Power
- Solar Energy Storage

## CHARACTERISTIC

| Item                              | Specification  |
|-----------------------------------|--|
| Model                             | PP-48LFP200-L-H-SNMP   |
| Rated Capacity (5HR)              | 200AH  |
| Nominal Voltage                   | 48 V   |
| Discharge Ending Voltage          | 40.5 V   |
| Charging Limited Voltage          | 54.0 V   |
| Max. Charging Current             | 100 A  |
| Max. Continue Discharging Current | 100 A  |
| Weight                            | Approx. 79 Kg  |
| Display                           | With a LCD display screen  |
| Parallel connection               | Parallel connection is optional (up to 16P).                               |
| Dimensions (L*W*H) mm (inches)    | 442 (17.40") * 520 (20.47") * 243.8 (9.61")                                |
| Containing Cell                   | 3.2V, 200AH Prismatic Lithium Iron Phosphate cells.                        |
| Design life                       | More than 15 years   |
| Cycle Life                        | 8000 cycles at 50% DOD; 5000 cycles at 80% DOD; > 3500 cycles at 100% DOD; |
| IP Class                          | IP30   |
| Outer Package Material            | Black bake lacquer steel case (battery rack or cabinet is optional)        |
| Operating Temperature             | Charging: 0 to +55°C Discharging: -20 to +60°C Storage: -20 to +60°C       |

## DISCHARGE TABLE

**Constant Current Discharge Table (Amperes) at 25°C**

| Model                | Voltage                         | Time | 1 h | 2 h  | 3 h  | 5 h  | 10 h |
|----------------------|---------------------------------|------|-----|------|------|------|------|
| PP-48LFP200-L-H-SNMP | End of discharge voltage 40.5 V |      | NA  | 100A | 67 A | 40 A | 20 A |

**Constant Power Discharge Table (Watts) at 25°C**

| Model                | Voltage                         | Time | 1 h | 2 h    | 3 h    | 5 h    | 10 h  |
|----------------------|---------------------------------|------|-----|--------|--------|--------|-------|
| PP-48LFP200-L-H-SNMP | End of discharge voltage 40.5 V |      | NA  | 4800 W | 3216 W | 1920 W | 960 W |