



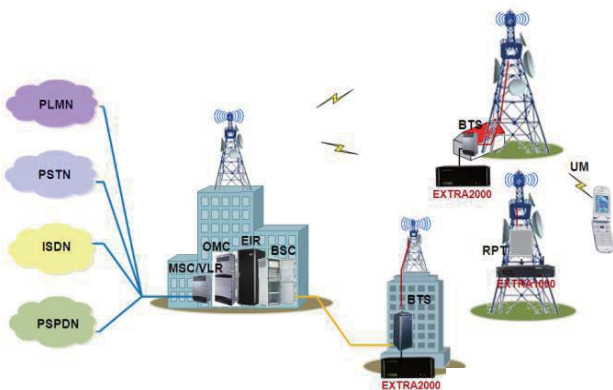
**Base Station Power Backup Solution**  
**Lithium Iron Phosphate Batteries- BP48) 0**

With the continuous development of social requirements, business room space of operator has become tighter. This trade brought stricter requirements for battery power backup in size and weight. Also the rapid development of economy increased the pressure on the mains supply, and the frequent power outages result greatly reducing of lead-acid battery performance for backup, which gives a huge procurement and maintenance costs for operators.

As a leading industry provider of lithium iron phosphate backup solutions, focus on this type of problems, Pylontech put forward integrated high performance service of backup power protection for operators without occupying extra room space.

### Small and Medium Capacity Backup Power Solutions

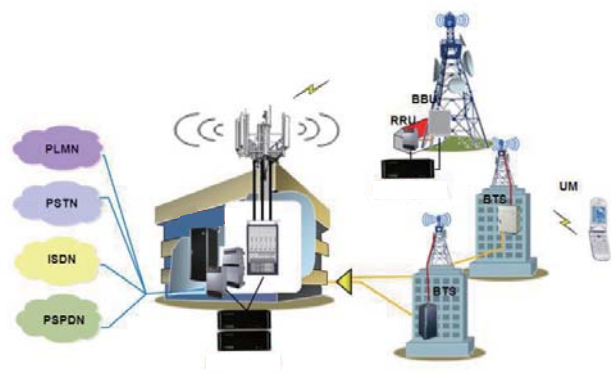
Some scenarios require depth coverage, the wireless base stations are usually distributed placed, device consumption is small, and mains failure time is short. It recommended battery configures one by one with each device in small base station for problems caused by frequent power outages, in addition, with small size and easy installation, our battery can be flexibly installed in the narrow scenario, especially in the tower, wall hanging and pole holding device, at the same time, it achieves unified management and easy maintenance through remote monitoring and management system.



Small and Medium Capacity Backup Power Solutions Network

### Large Capacity Backup Power Solutions

In the scenario of gathered station or marginal station, the devices placed concentrated or very far away. When main power fails, because of high consumption or long distance, both require centralized backup power solutions with larger capacity backup power systems for longer duration, and our battery can be cascaded based on actual demand to provide unified backup power for site to ensure continuing operation for long duration, at the same time, through the network management remote monitoring, achieve unified management and easy maintenance.



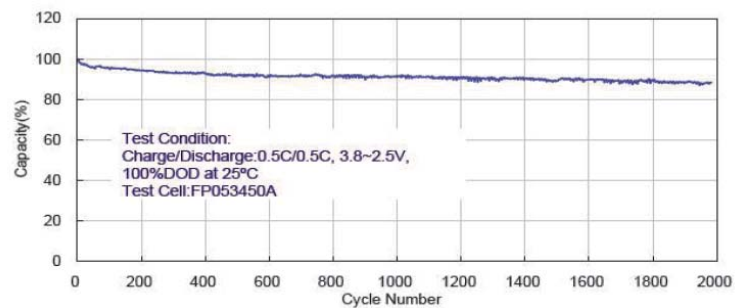
Large Capacity Backup Power Solutions Network

## Comprehensive advantages

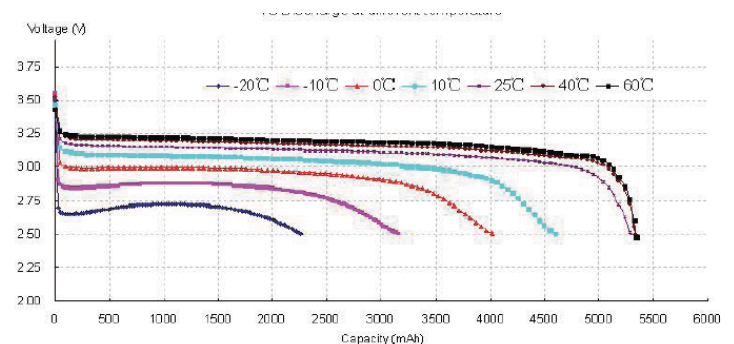
- Low Total Cost of Ownership
- Long life cycles reduces cost of average life expectancy;
- High energy efficiency reduces procurement costs;
- Small size, it need less space for the same capacity;
- Maintenance-free brings lower cost.
- High Adaptability to Environment
- The operation temperature range is from  $-10^{\circ}\text{C}$  to  $60^{\circ}\text{C}$ ;
- It is suitable for frequent outages and no memory effect;
- It is designed for dustproof structure.
- Intelligent Battery Management System
- Each single module is designed for load distribution;
- Intelligent design makes charging mode can be adjusted according to battery charging status automatically ;
- The lossless and equalization charging technology makes charging current adjustable;
- The central processor design, cooperates with multiple monitoring modules, can fully monitoring battery information.
- High Security
- The battery passed drop and collision test;
- The battery will be not burning or explosion in case of acupuncture, baking and other extreme statues;
- Multiple safety protection, it provides protection function in high current, voltage, or temperature.

### System Management Function

Real-time info gather and upload  
Charge ending protection  
Discharge ending protection  
High and low temperature alarms and protection  
Charge over voltage, over current alarms and protection  
Discharge low voltage alarm and protection  
Charge over current alarm and protection  
Discharge over current alarms and protection  
Reverse alarm and protection  
Short-circuit alarm and protection  
Protection auto recovery  
Intelligent charging and discharging management  
Lossless balanced management  
Webmaster remote monitoring  
Fault Logging recording  
Online upgrade system  
Lightning protection design



**Life Cycle Curve**



**$-20\sim 60^{\circ}\text{C}$  1C Rate Discharge Curve**

## Specification

Basic Parameters	BP4850
<b>Norminal Parameters</b>	
Voltage (V)	48
Capacity (Ah)	50
Capacity (Wh)	2400
<b>Structural Parameters</b>	
Width (mm)	442
Depth (mm)	380
Height (mm)	88.5
Weight (Kg)	24
<b>Electrical Parameters</b>	
Operating Voltage(V)	43.5~54
Charge Voltage(V)	52.5~54
Discharge Current(A)	50
Charge Current (A) current limit	10
<b>Communication</b>	
Network Interface	RS485/RS232/Dry
Life (20 °C/77°F )	10 years
Life Cycles (80% DOD, (20 °C/77°F )	>4500
Maintenance	Maintenance Free in warranty period
Storage Time	6 Months power off
Operation Temperature	-10°C~60°C (14°F ~140°F )
Storage Temperature	-20°C~60°C (4°F ~140°F )
Seismis Standard	GR-1089
EMC Standard	IEC 61000, EN55022
Environmental Standard	GB/T 2423
The Authentication Level	UN38.3