



Pylontech Lithium Iron Phosphate Batteries Base Station Power Backup Solutions



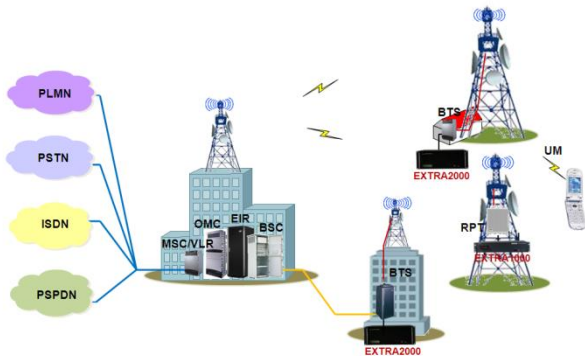
派能科技
PYLON TECHNOLOGIES

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

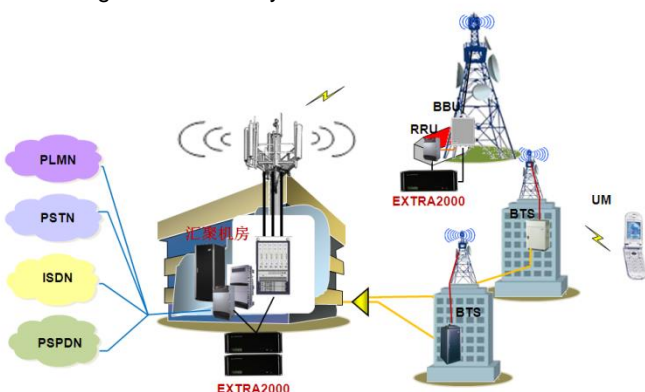
Some scenarios require depth coverage, the wireless base stations are usually distributed placed, device consumption is small, and mains failure time is short. It recommended that Extra2000 configures one by one with each device in small base station for problems caused by frequent power outages, in addition, with small size and easy installation, the Extra2000 product 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 the Extra2000 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



Extra2000

Basic Parameters	Extra2000
Nominal Parameters	
Voltage(V)	48
Capacity(Ah)	50
Capacity(Wh)	2400
Structural Parameters	
Height(mm)	132(3U)
Length(mm)	336
Width(mm)	370
Weight(Kg)	27±0.5
Electrical Parameters	
Operating Voltage(V)	42~54
Charge Voltage(V)	52.5~54
Maximum Discharge Current(A)	50
Maximum Charge Current(A)	50
Communication Parameters	
Network Interface	RS232
Communication Protocols	YD/T 1363.3-2005

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

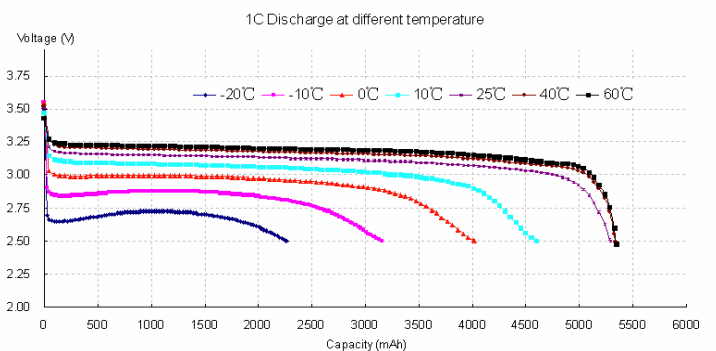
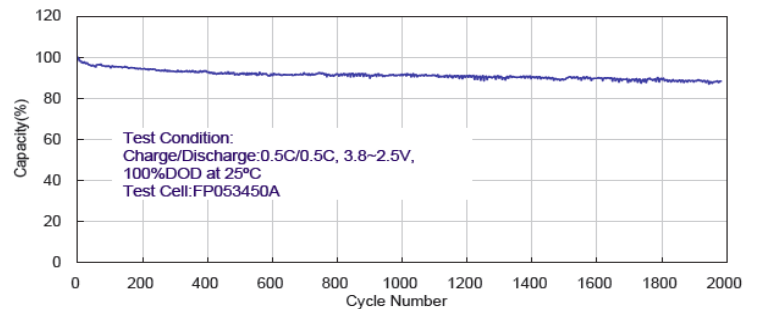
- The operation temperature range is from -10°C to 50°C;
- It is suitable for frequent outages and no memory effect;
- It is designed for dustproof structure.

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.



-20~60°C 1C Rate Discharge Curve

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 ○

Note: “●” means it has this function; “-” means no such function; “○” means that this function is optional.

Basic Parameters	Extra2000
Life (25°C/77°F)	10 years
Life (40°C/122°F)	8 years
Life Cycles (80% DOD, 25°C/77°F)	>4000
Maintenance	Free in quality guarantee period
Backup Duration (Average Power 500W)	≥5h
Storage Time (25°C/77°F)	6 Months power off
Operation Temperature	-10°C~50°C (-14°F~122°F)
Storage Temperature	-40°C~80°C (-40°F~176°F)
Seismic Standard	GR-1089
Transport Standard	UN 3090
EMC Standard	IEC 61000, EN 55022
Environmental Standard	GB/T 2423
The Authentication Level	TUV,CE,CCC,TLC

For more information please contact Pylon Technologies Co., Ltd.
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