

US3000C Pylontech Lithium

US3000C - 3,55 kWh Modules

Pylontech's US3000C lithium battery is the new version of the already known US3000.

The simplicity and modularity of the 3.55 kWh capacity US3000C make it suitable to realize storage systems of small and large capacities that can be expanded according to current and future energy needs.

Among the new features there is the built-in **Soft-Start** function able to reduce the peak current when inverter need to start from battery.

The US3000C battery has an integrated BMS that can manage and monitor cell information including voltage, current and temperature.

Features:

- The more **stable and safer internal molecular structure** of LFP batteries, allows an increase in combustion temperature equal to 600 ° C compared to 300 ° C of NMC and LCO;
- 95% **depth of discharge (DOD)**, available for the inverter which completely follow Pylontech latest protocol to operate;
- Support wake up by 5~12V signal from RJ45 port;
- Support upgrade battery module from upper controller via CAN or RS485 communication;
- **Dual active protection on BMS level;**
- Ability to work under different temperature conditions;
- **Monitoring and assistance included.**



Each element, 50 Ah and 2 rack units height, is easily installed in special rack cabinets supplied on request by Energy Srl.

For the storage systems with EPS anti black out mode you must follow all ENERGY srl instructions about the minimum quantity of modules installed.



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Technical data

Lithium battery

| Model | US3000C |
|------------------------------|---|
| ELECTRICAL DATA | |
| Cell Technology | Li-ion (LFP) |
| Voltage [V] | 48 |
| Recommend Charge Current [A] | 37 |
| Nominal Capacity [Wh] | 3552 |
| Operating Voltage [V] | 45...53.5 |
| DOD [%] | 95 |
| BUS | |
| Communication Bus | RS232, RS485, CAN |
| Communication protocol | YD/T 1363.3-2005 |
| DIMENSIONS AND WEIGHT | |
| Height [mm] | 132 |
| Width [mm] | 442 |
| Depth [mm] | 420 |
| Weight [kg] | 32 |
| GENERAL DATA | |
| Operation Life at 25 °C | 15+ anni |
| Life Cycles | >6000 25°C - 95% DoD |
| Discharging Temperature [°C] | -10...50 |
| Charging Temperature [°C] | 0...50 |
| Storage Temperature [°C] | -20...60 |
| Protection Class | IP20 |
| Eartquake Certificate | GR-1089 |
| Transport Certificate | UN 3090 |
| EMC | IEC62619, IEC63056, IEC62040, IEC62477-1, UL1973,U1642,U-L9540A, VDE2510-50, IEC61000-6-2, IEC61000-6-3, UN38.3 |
| Environmental Certification | GB/T 2423 |
| Transfer Certificate | TÜV / CE / UN38.3 / UL |

The information in this brochure are not binding. Energy Srl reserves the right to make changes at any time without notice.

Energy Srl

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