

US2000C Pylontech Lithium

Low voltage 48V Lithium Battery

US2000C - 2,4 kWh Modules

Pylontech's US2000C lithium battery is the new version of the already known US2000.

The simplicity and modularity of the 2.4 kWh capacity US2000C 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 US2000C 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, 10 year warranty.**



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.

Technical data

Lithium battery

Model	US2000C
ELECTRICAL DATA	
Cell Technology	Li-ion (LFP)
Voltage [V]	48
Recommend Charge Current [A]	25
Nominal Capacity [Wh]	2400
Operating Voltage [V]	44,5 - 53,5
DOD [%]	95
BUS	
Communication Bus	RS485, CAN
Communication protocol	YD/T 1363.3-2005
DIMENSIONS AND WEIGHT	
Height [mm]	89 (2U)
Width [mm]	442
Depth [mm]	410
Weight [kg]	22,5
GENERAL DATA	
Operation Life at 25 °C	15+ years
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 UL1642, IEC61000-6-2, IEC61000-6-3, UN38.3
Environmental Certification	GB/T 2423
Transfer Certificate	TÜV, CE, UN38.3

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

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