

# Pylontech Batteries

LiFeP04 Modular batteries of the latest generation



Tested and certified for the perfect operation with the Storage system ES compact and the ES-AC series from SolarMax



**PYLONTECH**

# Lithium-ion batteries

## Pylontech US2000B Plus

LiFePO4 Modular batteries of the latest generation

The Pylontech US2000B Plus lithium-battery represents the latest technological frontier for storage applications for photovoltaic systems and offers an extended 10-year warranty. The simplicity and modularity of the US2000B Plus (capacity of 2.4 kWh) makes it suitable for the implementation of small and large capacity energy storage systems that can be expanded to meet current and future energy needs.

LiFePO4 lithium technology also offers the following advantages:

- Expandable at any time, as each unit has its own BMS.
- The internal molecular structure of LiFePO4 batteries is more stable and therefore safer.
- Scalable from 2.4 kWh to 19.2 kWh.
- Compact and modular design that allows easy installation / upgrade is made possible.
- Advanced BMS that enables real-time alarm notification;

### Technical data\*



Pylontech Battery		US2000 Plus
<b>Exit</b>	Nominal voltage	48 V
	Rated current	50 A
	Capacity	2.4 kWh
	Operating voltage	45 V - 54 V
	Charging voltage	52.5 V - 54 V
	Maximum peak discharge current	100 A per 1 minute
	Maximum peak charging current	100 A per 1 minute
	DOD	90 %
<b>Data bus</b>	Communication bus	RS232, RS485, CAN
	Communication protocol	YD/T 1363.3-2005
<b>Environment and dimensions</b>	Number of cycles	> 6.000 with 90 % DOD / residual capacity 60 %
	Dimensions (mm)	440 mm x 89 mm (2U) x 410 mm
	Weight	24 kg
	Discharge temperature range	- 10 °C ... 50 °C
	Charging temperature range	0 °C ... 50 °C
	Storage temperature range	- 40 °C ... 80 °C
	Rules in force	Transport: UN3090 / EMC: IEC 61000, EN 55022 / surrounding: GB/T 2423 / Seismik: GR-1089
	Markings	TÜV, CE, UN38.3, TLC

(\*) All data of the battery manufacturer can be found on the internet. Subject to change without notice.