

US3000C

Low voltage lithium batteries

US3000C - 3.55 kWh Modules

Pylontech's US3000C lithium batteries are the new renewed version of the previous well known US3000 Plus model.

The simplicity and modularity of the US3000C with 3.55 kWh of capacity make it suitable for creating small and large storage systems, which can be expanded according to current and future energy needs.

Among the new features included is the **Soft-Start** function capable of reducing the peak current when the inverter turns on with only the battery.

The US3000C battery has an integrated BMS able to manage and monitor cell voltage, current and temperature

Technical specifications:

- The internal **molecular structure** of LiFePO4 batteries is **more stable** and **safe**, in fact it has a combustion temperature of 600 °C compared to 300 °C for NMC and LCO;
- 95% **depth of discharge** (DOD), available for inverters aligned with the latest Pylontech protocol;
- **Double active protection at BMS level;**
- Possibility to operate in different temperature conditions;
- **10 year guarantee.**

Dimensions:

Width: 442 mm
Height: 132 mm
Depth: 410 mm
Weight: 32 kg



Technical data

Lithium Battery

Model	US3000C
Item code	90040082
ELECTRICAL DATA	
Cell technology	Li-ion (LFP)
Nominal voltage [V]	48
Nominal capacity [kWh/Ah]	3,552 / 74
Depth of discharge DOD [%]	95
Usable capacity [kWh/Ah]	3,37/70,2
Recommend charge current [A]	37
Charge voltage [V]	52,5 ~ 53,5
Discharge voltage [V]	44,5 ~ 53,5
BUS	
Communication Bus	RS232, RS485, CAN
Communication protocol	YD/T 1363.3-2005
DIMENSIONS AND WEIGHT	
Width [mm]	442
Height [mm]	132 (3U)
Depth [mm]	420
Weight [kg]	32
GENERAL DATA	
Charge working temperature [°C]	0 ~ 50
Discharge working temperature [°C]	-10 ~ 50
Storage temperature [°C]	-20 ~ 60
Protection class	IP20
Operation life at 25 °C [years]	15+
Life cycles	>6000 25°C
Transfer certificate	UN38.3, UN 3090
EMC	IEC62619, IEC63056, IEC62040, IEC62477-1, UL1973,U1642,UL9540A, VDE2510-50, IEC61000-6-2, IEC61000-6-3, GR-1089, GB/T 2423, TÜV, CE, UL

(*) The recommended and max. continuous operation current is for a battery cell temperature within 10 ~ 40°C to consider. Operating out of such temperature range will cause derating on operation current.



UN3090, GB/T 2423, GR-1089

Energy S.p.A.
Registered office:
Piazza Manifattura, 1
38068, Rovereto TN
Tel. +39 0464 350812 - Fax +39 0464 350512



www.energyspa.com
www.retiintelligenti.com

Energy S.p.A.
Operations/Warehouse:
Via Zona Industriale, 10
35020, Sant'Angelo di Piove di Sacco (PD) - Italy
info@energysynt.com
Tel. +39 049 2701296 - Fax +39 049 8599098