

H48074

High voltage lithium battery

H48074 - 3.55kWh Modules

Pylontech's H48074 lithium batteries represents the latest technological frontier for high voltage photovoltaic storage applications.

LiFePO4 battery technology also has the following **benefits**:

- **Longer Life cycle**, which exceeds 5000 cycles, corresponding to about 11 years of work, with an end-of-life capacity of 80%;
- The internal **molecular structure** of LiFePO4 batteries is **more stable** and **safer**;
- Depth of discharge up to 90%;
- **Easy expansion** to increase the power of storage;
- A **Compact and modular design** for easy installation / upgrade;
- Ability to operate under different temperature conditions;
- **Advanced BMS** that allows you to report alarm in real time.

Dimensions:

Height: 132 mm

Width: 442 mm

Depth: 390 mm

Weight: 32 kg



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Technical data

Lithium Battery

Model	H48074
ELECTRICAL DATA	
Cell Technology	Li-ion (LFP)
Voltage [V] (single module)	48
Current [A]	37 (nominal) - 74 (max)
Nominal Capacity [Wh] (single module)	3552
Operating Voltage [V]	45...54
DOD [%]	90 (10-90)
BUS	
Communication Bus	RS485, CAN
Communication protocol	YD/T 1363.3-2005
DIMENSIONS AND WEIGHT	
Height [mm]	132
Width [mm]	442
Depth [mm]	390
Weight [kg]	32
GENERAL DATA	
Operation Life at 25 °C	15+ years
Life Cycles	5000
Backup time [Nominal power 500 W]	≥ 5 h
Duration of charge maintenance	6 Months with off battery
Discharge Working Temperature [°C]	0...50
Charge Working Temperature [°C]	0...50
Storage Temperature [°C]	-20...60
Protection Class	IP20
Eartquake Certificate	GR-1089
Transport Certificate	UN 3090
EMC	IEC 61000, EN 55022
Environmental Certification	GB/T 2423
Transfer Certificate	TÜV, CE, UN38.3

NOTE: Each 74 Ah module is easily installed in special Pylontech rack cabinets supplied on request by Energy Srl.

