



PYLONTECH

H32148

High voltage lithium battery

H32148 - 4.74 kWh Modules

The Pylontech H32148 LiFePO₄ battery has a capacity of 4.74 kWh and is suitable for commercial and industrial storage applications.

The battery cell is LiFePO₄ (lithium iron phosphate) ensures the highest level of efficiency and safety among the technologies available on the market today.

The **H32148** is designed to ensure reliable power delivery, for various types of equipment and systems, is particularly suitable for high power applications in limited installation spaces. The battery modules are designed to ensure long life while maintaining excellent efficiency over time.

The **BMS** (Battery Management System) can manage and monitor cell information, including voltage, current and temperature as well as keep cells balanced during the charge / discharge process, in order to improve battery life performance.

More battery systems can be connected in parallel to increase the capacity and thus the power supplied for a longer working period.

The Battery Management System (BMS) has overcharge, overvoltage, overcurrent and high / low temperature protection functions. The absence of forced ventilation systems for cooling reduces the noise of the entire system. The operating temperature range, to ensure excellent charging / discharging performance as well as duration is between 0 ° C and 50 ° C.



Dimensions:

Width: 330 mm

Height: 150.5 mm

Depth: 628 mm

Weight: 48 kg



Technical data

Lithium Battery

Model	H32148
ELECTRICAL DATA	
Cell technology	Li-ion (LFP)
Nominal voltage [V]	32
Nominal capacity [kWh/Ah]	4.736 / 148
Depth of discharge DOD [%]	90 (8-98%)
Nominal current [A]	74
Battery module cell quantity in series [pcs]	10
Battery cell voltage [V]	3.2
Battery cell capacity [Wh/Ah]	118.4 / 37
Battery module charge voltage [min~max, V]	30 ~ 36
Battery system charge current [A, standard]	29.6
Battery system charge current [A, max.]	148
Battery system discharge current [A, standard]	29.6
Battery system discharge current [A, max.]	148
Efficiency [%]	96
BUS	
Communication Bus	RS485\CAN
GENERAL DATA	
Dimension [WxHxD, mm]	330x150.5x628
Weight [kg]	48
Operation temperature [°C]	0 ~ 50°C
Storage temperature [°C]	-20 ~ 60°C
Protection class	IP20
Operation life	+10 years
Operation cycle life	4000
Transport certificate	UN38.3
Certification	TÜV (IEC62619)