



PYLONTECH

Force L2

Low voltage lithium battery

Force L2 - 3.55 kWh modules

Force L2 low voltage Pylontech batteries are particularly suitable for residential applications because they are aesthetically elegant and can be installed quickly, even in small spaces, without the need to connect cables between the various elements; in fact, to mount these batteries, simply place them one on top of the other.

The basic module is 3.55 kWh, the depth of discharge is 95% and a capacity of 14.20 kWh

can be reached for each 4-module stack. The battery is completed by the BMS, the upper element of the structure, which controls and regulates the charges and discharges of the system.

Up to 6 stacks can be mounted in parallel in the same system.

10 year warranty included, IP55.

Magnetothermic switch installed.



Stack of Batteries



BMS Module



BMS Display

TOP SAFETY LEVEL:

COMPLIANT WITH STANDARD VDE 2510-50



SAVE YOUR PLANET

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Stack of Batteries

| Model | Force L2 | | |
|---|---|-------------|-------------|
| Battery module quantity [pcs] | 2 | 3 | 4 |
| Battery system voltage [V] | 48 | | |
| Battery system capacity [kWh/Ah] 1 stack | 7.10 / 148 | 10.65 / 222 | 14.20 / 296 |
| Battery system charge/discharge current [A, normal] | 75 | 100 | |
| Dimension [450x296xH, mm] | 822 | 1120 | 1415 |
| Weight [kg] | 82 | 117.5 | 153 |
| Battery system charge voltage [min~max,V] | 44.5 ~ 53.5 | | |
| Battery system charge/discharge current [A, standard] | 30 | 45 | 60 |
| Battery system charge/discharge current [A, max.] | 110@15s | | |
| Battery module name | FL4874M | | |
| Battery module voltage [V] | 48 | | |
| Battery module capacity [kWh/Ah] | 3.552 / 74 | | |
| Depth of Discharge [%] | 95 | | |
| Efficiency [%] | 96 | | |
| Battery controller name [BMS] | FC0048M-100S | | |
| Communication bus | RS485\CAN | | |
| Operation temperature [°C] | 0 ~ 50 | | |
| Storage temperature [°C] | -20 ~ 60 | | |
| Altitude [mt] | <2000 | | |
| Protection class | IP55 | | |
| Operation life [years] | 15+ | | |
| Operation cycle life | 6000 | | |
| Transport certificate | UN38.3 | | |
| Product certificate | VDE2510-50, IEC62619, CE RED, IEC62477-1, CEC | | |
| Battery controller dimension [WxHxD, mm] | 450x190x296 | | |
| Battery module dimension [WxHxD, mm] | 450x296x296 | | |
| Battery bottom base dimension [WxHxD, mm] | 450x40x296 | | |



Battery Module

Battery Module

| Model | FL4874M |
|----------------------------------|--------------|
| Cell technology | Li-ion (LFP) |
| Battery module voltage [V] | 48 |
| Battery module capacity [kWh/Ah] | 3.552 / 74 |
| Battery Type | 2p 15 s |
| Dimension [WxHxD, mm] | 450x296x296 |
| Weight [kg] | 35.5 |
| Battery cell voltage [V] | 3.2 |
| Battery cell capacity [Wh/Ah] | 118.4 / 37 |
| Operation temperature [°C] | 0 ~ 50 |
| Storage temperature [°C] | -20 ~ 60 |
| Operation life [years] | 15+ |
| Operation cycle life | 6000 |
| Transport certificate | UN38.3 |

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