



PYLONTECH

Force H2

High voltage lithium battery

Force H2 - 3.55 kWh Modules

Force H2 high voltage Pylontech batteries are particularly suitable for residential applications because they are aesthetically elegant and can be installed quickly 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 90% 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.

10 year warranty included, IP55.

Magnetothermic switch installed.



Stack of Batteries



BMS Module



BMS Display

TOP SAFETY LEVEL:

COMPLIANT WITH STANDARD VDE 2510-50



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Stack of Batteries

Model	Force H2		
Battery System Capacity [kWh] 1 stack	7.10	10.65	14.20
Battery Stack Voltage [Vdc]	192	288	384
Battery Module Capacity [AH]	37		
Battery Controller Name BMS	FC0500M-40S		
Battery Module Name	FH9637M		
Battery Module Quantity [pcs]	2	3	4
Battery System Charge Upper-Voltage [Vdc]	216	324	432
Battery System Charge Current [Amps, Normal]	18.5		
Battery System Charge Current [Amps, Max.@15s]	40		
Battery System Discharge Lower-Voltage [Vdc]	174	261	348
Battery System Discharge Current [Amps, Normal]	18.5		
Battery System Discharge Current [Amps, Max.@15s]	40		
Efficiency [%]	96		
Depth of Discharge [%]	90		
Dimension [600x380xH, mm]	822	1118	1414
Communication	Modbus RTU \ CAN		
Protection Class	IP55		
Weight [kg]	82	117	152
Operation Life [Years]	15		
Operation Cycle Life	>5000		
Operation Temperature [°C]	0~50°C		
Storage Temperature [°C]	-20 ~60°C		
Humidity	5~95%		
Product Certificate	VDE2510-50, IEC62619, IEC62477-1, IEC62040-1, CEC, CE		
Transport Certificate	UN38.3		
1. Battery Controller Dimensions [WxDxH]	450x296x190 mm		
2. Battery Module Dimensions [WxDxH]	450x296x296 mm		
3. Battery bottom base Dimensions [WxDxH]	450x296x40 mm		



Battery Module

Battery Module

Model	FH9637M
Cell Technology	Li-ion (LFP)
Battery Module Capacity [kWh]	3.552
Battery Module Voltage [Vdc]	96
Battery Module Capacity [Ah]	37
N° Cell Quantity in Series [pcs]	30
Battery Cell Voltage [Vdc]	3.2
Battery Cell Capacity [AH]	37
Dimension [WxDxH, mm]	450x296x296
Weight [kg]	35
Operation Life	15 years
Operation Cycle Life	5000
Operation Temperature [°C]	0~50°C
Storage Temperature [°C]	-20 ~60°C
Transport Certificate	UN38.3

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