



PYLONTECH

Force-H3

High voltage lithium battery

Force H3 - 5,12 kWh modules

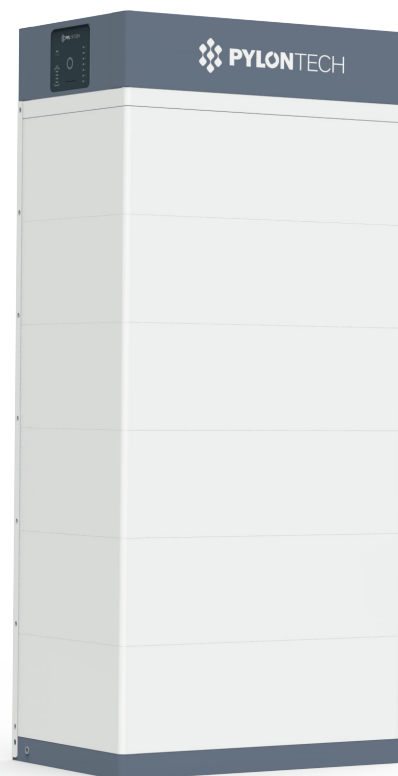
Force H3 high voltage Pylontech batteries are particularly suitable for residential applications because they are aesthetically elegant and can be installed quickly without the need to connect cables between the various elements; in fact, to mount these batteries, simply place them one on top of the other.

The basic module is 10.24 kWh, the depth of discharge is 95% and a capacity of 35.84 kWh can be reached for each 7-module stack.

The battery pile is completed by the BMS, the upper element of the structure, which controls and regulates the charges and discharges of the system.

10 years warranty included, IP55.

Magnetothermic switch installed.



Stack of Batteries



BMS Display

TOP SAFETY
LEVEL:

COMPLIANT WITH STANDARD VDE 2510-50



energy®

SAVE YOUR PLANET

www.energyspa.com

MODEL	Force-H3					
Cell technology	Li-ion (LFP)					
Battery module quantity [pcs]	2	3	4	5	6	7
Battery system voltage [V]	204.8	307.2	409.6	512	614.4	716.8
Battery system capacity [kWh/Ah]	10.24/50	15.36/50	20.48/50	25.6/50	30.72/50	35.84/50
BMS module name	FC1000					
Battery module name	FH10050					
Battery system max charge voltage [V]	230.4	345.6	460.8	576	691.2	806.4
Battery system min discharge voltage [V]	185.6	278.4	371.2	464	556.8	649.6
Charge / discharge test current [A] (*)	10					
Battery system charge/discharge current [A]	50					
Battery system max charge/discharge current [A]	55 @15'					
Short circuit evaluation [A]	<3000					
Efficiency [%]	96					
Depth of Discharge [%]	95					
Communication bus	CANBUS/Modbus RTU					
Operation temperature [°C]	-10 ~ 55					
Storage temperature [°C]	-20 ~ 60					
Humidity [%]	5 ~ 95 (without condensation)					
Altitude [m]	<4000					
Protection degree	IP55					
Operation life [years]	10+					
Transfer Certificate	UN38.3					
Product certificate	UL1973, IEC62619, IEC63056, VDE-AR-E 2510-50, UL9540A, CE RED, CE LVD					
Dimensions 540x350xH [mm]	530	700	870	1040	1210	1380
Weight [kg]	92	131	170	209	248	287

(*) Current value used to determine the capacity of the battery during test



BMS Module



Battery Module

MODEL	FC1000
Working voltage [V]	80-1000
System voltage [V]	172,8 - 921,6
Standby consumption [W]	<16
Communication	CANBUS/Modbus RTU
Dimensions [WxHxD, mm]	540x150x350
Weight [kg]	12
Operation life [years]	15+
Operation cycle life	8000
Operation temperature [°C]	-10 ~ 55
Storage temperature [°C]	-20 ~ 60

MODEL	FH10050
Cell Technology	Li-ion (LFP)
Nominal capacity [kWh/Ah]	5,12 / 50
Battery voltage [V]	102,4
Cell number	32
Cell voltage [V]	3,2
Cell capacity [Ah]	50
Dimensions [WxHxD, mm]	540x170x350
Weight [kg]	39
Operation life [years]	15+
Operation cycle life	8000
Operation temperature [°C]	-10 ~ 55
Storage temperature [°C]	-20 ~ 60
Transport certificate	UN38.3

Energy S.p.A.

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



www.energyspa.com
www.bandoaccumulo.com

Energy S.p.A.

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