

Residential BESS

-Force L Series

-Force H series



Safety and Reliability

Ensured by own designed and manufactured cell, modules and BMS



Optimal Electricity Cost

Long cycle life and superior performance



Strong Scalability

Maximum capacity of 215.04 kWh with 6 groups in parallel



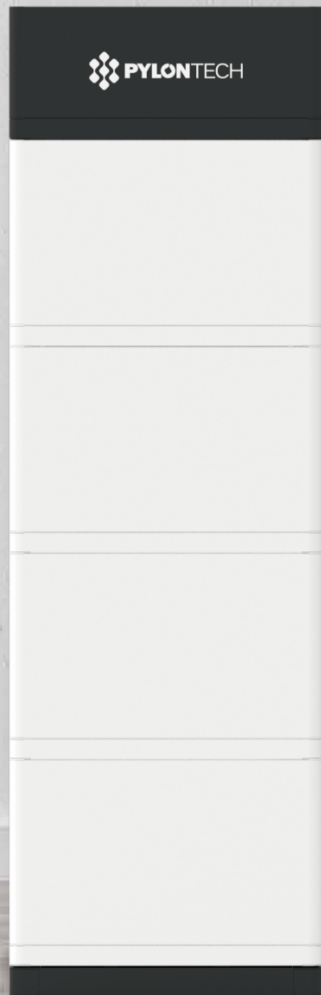
Flexible Mounting

Plug&Play, no additional wiring connection



Compatibility

Compatible with Top inverter brands



SPECIFICATION (Force-L1/48V)



Basic Parameters						
Battery Module	FL48074					
Battery System Capacity(kWh)	7.1	10.65	14.21	17.76	21.31	24.86
Voltage Range(Vdc)	43.5~54					
Dimension(W*D*H mm)	600*380*530	600*380*700	600*380*870	600*380*1040	600*380*1210	600*380*1380
Weight(kg)	86.5	123	159.5	196	232.5	269
Depth of Discharge	95%					
(Recommend)	30	45	60	75	90	100
Charge/ Discharge Current(A)	75	100	100	100	100	100
(Peak @ 15s)	105	105	105	105	105	105
Multi-group	Max. 6 systems in parrallel					
Communication Port	RS485, CAN					
IP rating	IP55					
Working Temperature/ °C	0~50					
Shelf Temperature/ °C	-20~60					
Humidity	5%~95%(w/o condensing)					
Altitude	< 2000					
Design Life	15+ Years (25 °C / 77°F)					
Cycle Life	> 8,000, 25 °C					
Certification	VDE2510-50/IEC62619/IEC62477/CE/UN38.3					

SPECIFICATION (Force-L2/48V)



2



3



4

Basic Parameters			
Battery Module	FL4874M		
Battery System Capacity(kWh)	7.1	10.65	14.21
Voltage Range(Vdc)	43.5~54		
Dimension(W*D*H mm)	450*296*822	450*296*1118	450*296*1414
Weight(kg)	82	117.5	153
Depth of Discharge	95%		
(Recommend)	30	45	60
Charge/Discharge Current(A) (Max)	75	100	100
(Peak @15s)	105	105	105
Multi-group	Max. 6 systems in parrallel		
Communication Port	RS485/CAN		
IP rating	IP55		
Working Temperature/ °C	0~50		
Shelf Temperature/ °C	-20~60		
Humidity	5%~95% (w/o condensing)		
Altitude	<2000		
Design Life	15+ Years (25 °C / 77°F)		
Cycle Life	>8,000, 25 °C		
Certification	VDE2510-50/IEC62619/IEC62477-1/CEC/UN38.3		

SPECIFICATION (Force H1/ 96~336 V)



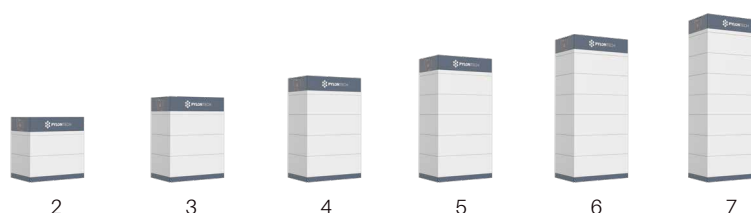
Basic Parameters						
Battery Module	FH48074					
Battery Module Voltage(Vdc)	48					
Battery Module Capacity(Ah)	74					
Battery Module Qty. (Optional)	2	3	4	5	6	7
Battery System Voltage (V)	96	144	192	240	288	336
Battery System Capacity(Ah)	74					
Battery System Capacity(kWh)	7.1	10.65	14.21	17.76	21.31	24.86
Dimension (W*D*H mm)	600*380*530	600*380*700	600*380*870	600*380*1040	600*380*1210	600*380*1380
Weight(kg)	86	122	158	194	230	266
Depth of Discharge	95%					
Charge/ Discharge Current(A)	(Recommend)					37
	(Max.)					40
Multi-group	Max. 6 systems in parallel					
Communication	CANBUS/Modbus RTU					
IP rating	IP55					
Working Temperature/ °C	0~50					
Shelf Temperature/ °C	-20~60					
Humidity	5%~95%(w/o condensing)					
Altitude	<2000					
Design Life	15+ Years (25 °C/°F)					
Cycle Life	>8,000, 25 °C					
Certification	UL 1973/VDE2510-50/IEC62619/IEC62477/ IEC62040-1/CE/UN38.3					

SPECIFICATION (Force H2/192~384 V)



Basic Parameters				
Battery Module	FH9637M			
Battery Module Voltage(Vdc)	96			
Battery Module Capacity(Ah)	37			
Battery Module Qty. (Optional)	2	3	4	5
Battery System Voltage (V)	192	288	384	480
Battery System Capacity(Ah)	37			
Battery System Capacity(kWh)	7.1	10.65	14.21	17.75
Dimension (W*D*H mm)	450*296*822	450*296*1118	450*296*1414	450*296*1710
Weight(kg)	82	117.5	152	188.5
Depth of Discharge	95%			
Charge/ Discharge Current(A)	(Recommend)	18.5		
	(Max.)	40		
Multi-group	Max. 6 systems in parallel			
Communication	CANBUS/Modbus RTU			
IP rating	IP55			
Working Temperature/ C	0~50			
Shelf Temperature/ C	-20~60			
Humidity	5%~95%(w/o condensing)			
Altitude	<2000			
Design Life	15+ Years (25 C /77 F)			
Cycle Life	>8,000, 25 C			
Certification	VDE-AR-E 2510-50/ IEC62619/IEC63056/IEC62040-1/CEC/CE			

SPECIFICATION (Force H3/204.8~716.8 V)



Basic Parameters						
Battery Module	FH10050					
Battery Module Voltage(Vdc)	102.4					
Battery Module Capacity(Ah)	50					
Battery Module Qty. (Optional)	2	3	4	5	6	7
Battery System Voltage (V)	204.8	307.2	409.6	512	614.4	716.8
Battery System Capacity(Ah)	50					
Battery System Capacity(kWh)	10.2	15.4	20.5	25.6	30.7	35.8
Dimension (W*D*H mm)	540*350*530	540*350*700	540*350*870	540*350*1040	540*350*1210	540*350*1380
Weight(kg)	92	131	170	209	248	287
Depth of Discharge	95%					
Charge/ Discharge Current(A)	(Recommend)		50			
	(Max.)		52			
Multi-group	Max. 6 systems in parallel					
Communication	CANBUS/Modbus RTU					
IP rating	IP55					
Working Temperature/ °C	-10~50					
Shelf Temperature/ °C	-20~60					
Humidity	5%~95%(w/o condensing)					
Altitude	<4000					
Design Life	15+ Years (25 °C/77 °F)					
Cycle Life	>8,000, 25 °C					
Certification	UL9540A/UL 1973/IEC62619/IEC63056/IEC62040-1/VDE-AR-E 2510-50/IEC62477-1/UN38.3					