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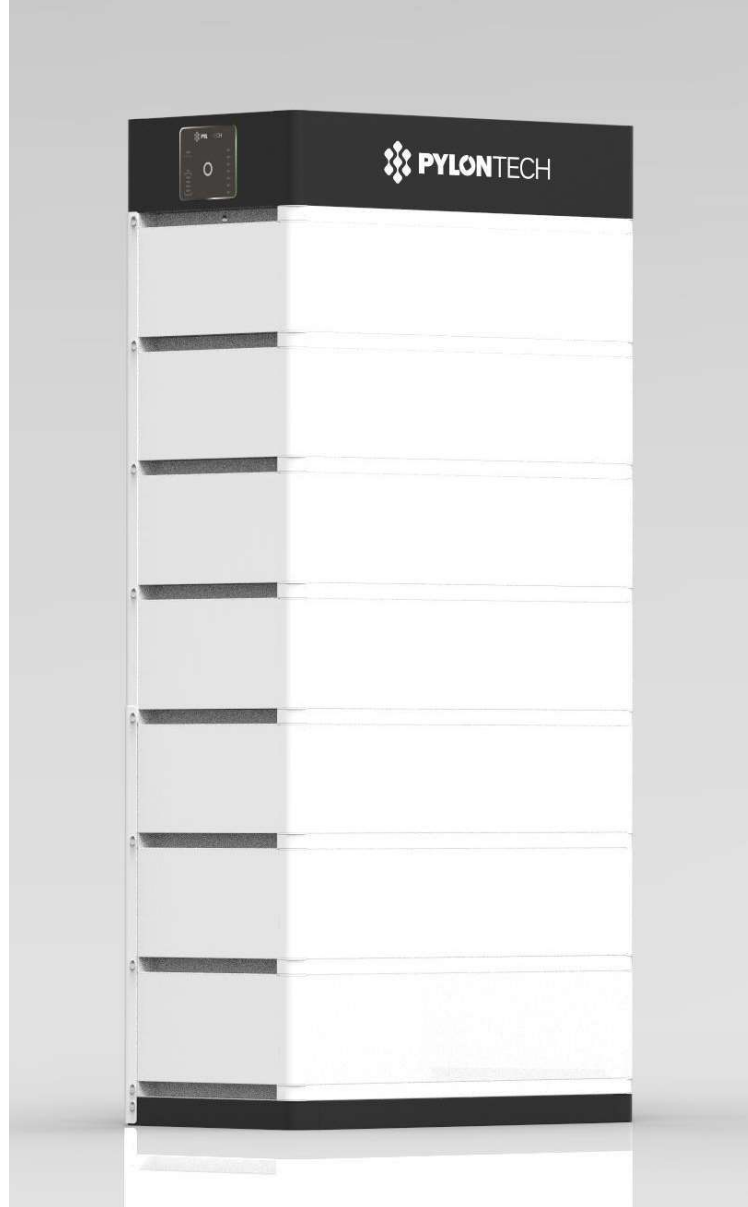


**Lithium-Ion Phosphate Energy Storage
System**

Force-L1 Specifications

2.2 Specifications

2.2.1 System parameter



2.2.1 The parameter of system

Product Type	Force L1					
Cell Technology	Li-ion(LFP)					
System Model Name	Force-L1-48-148	Force-L1-48-222	Force-L1-48-296	Force-L1-48-370	Force-L1-48-444	Force-L1-48-518
Battery System Capacity(kWh)	7.10	10.65	14.20	17.76	21.31	24.86
Battery System Usable Capacity(kWh)	6.39	9.59	12.78	15.98	19.18	22.37
Battery System Voltage(Vdc)	48					
Battery System Capacity(AH)	148	222	296	370	444	518
Battery Controller Name	FC0048-100S					
Battery Module Name	FL48074					
Battery Module Quantity(pcs)	2	3	4	5	6	7
Battery Module Capacity(kWh)	3.552					
Battery Module Voltage(Vdc)	48					
Battery Module Capacity(AH)	74					
Battery System Charge Upper-Voltage(Vdc)	53.5					
Charge/Discharge Current(Amps, Standard)	30	45	60	75	90	100
Charge/Discharge Current(Amps, Normal)	75	100				
Charge/Discharge Current(Amps, Max.@15S)	110					
Battery System Discharge lower-Voltage(Vdc)	44.5					
Battery System DC Rate Power(kW)	3.6	4.8				
Battery System DC Max. Power(kW,@15S)	5.28					
Efficiency(%, ≤0.5C-rate)	96					
Depth of Discharge(%)	90					
Dimension(W*D*H,mm)	600*380*530	600*380*700	600*380*870	600*380*1040	600*380*1210	600*380*1380
Communication	RS485\CAN					
Protection Class	IP55					
Weight (kg)	86.5	123	159.5	196	232.5	269
Operation Life(Years)	15+					
Operation Temperature(°C)	0~50					
Storage Temperature(°C)	-20~60					
Altitude(M)	<2,000					
Product Certificate	VDE2510-50, EC 62619 , CE RED , EC 62477-1, UN38.3					
Warranty	10 Years					
1) Battery Controller Dimensions (W*D*H, mm)	600×380×150					
2) Battery Module Dimensions (W*D*H, mm)	600×380×170					
3) Battery bottom base Dimensions(W*D*H, mm)	600×380×40					

2.2.2 Battery Module (FL48074)



Product Type	FL48074
Cell Technology	Li-iron (LFP)
Battery Module Capacity (kWh)	3.552
Battery Module Voltage (Vdc)	48
Battery Module Capacity (Ah)	74
Battery Module Serial Cell Quantity (pcs)	15
Battery Cell Voltage (Vdc)	3.2
Battery Cell Capacity (AH)	37
Dimension (W*D*H, mm)	600*380*170
Weight (kg)	36.5
Operation Life(years)	15+
Operation Cycle Life	6,000
Operation Temperature	0~50°C
Storage Temperature	-20~60°C
Transportation Certificate	UN38.3



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