

Force-L2

 **Safe and Reliable**

 **Plug & Play**

 **Free to Scale Up**

 **Remote Maintenance**



Module

Battery Module		FL4874M		
Nominal Voltage (VDC)		48		
Battery System Capacity (kWh)		7.1	10.65	14.21
Dimension (W*D*H mm)		450*296*822	450*296*1118	450*296*1414
Weight (kg)		82	117.5	153
Depth of Discharge		95%	95%	95%
Charge/ Discharge (A)	(Normal)	75	100	100
	(Max)		110@15s	
Communication port		RS485/CAN		
Multi-group		Max. 6 groups in parallel		
IP rating		IP55		
Working Temperature/ (°C)		0~55		
Storage Temperature/ (°C)		-20~45		
Humidity (RH)		5%~95% No condensation		
Altitude (m)		<2,000		
Design life (@25°C)		15+Years		
Cycle life (@25°C)		>8,000		
Certification		CEC/IEC62477/IEC62619/UN38.3/VDE2510-50		

Product Type	FORCE-L2 (48V148AH)	FORCE-L2 (48V222AH)	FORCE-L2 (48V296AH)
Cell Technology	Li-ion (LFP)		
Battery System Capacity(kWh)	7.10	10.65	14.20
Battery System Voltage (VDC)	48		
Battery System Capacity (Ah)	148	222	296
Battery Controller Name	FC0048M-100S		
Battery Module Name	FL4874M		
Battery Module Quantity(pcs)	2	3	4
Battery Module Capacity(kWh)	3.552		
Battery Module Voltage (VDC)	48		
Battery Module Capacity (AH)	74		
Battery Module Cell Series Quantity(pcs)	15		
Battery System Charge Upper-Voltage (VDC)	53.5		
Battery System Charge Current (Amps, Standard)	30	45	60
Battery System Charge Current (Amps, Normal)	75	100	100
Battery System Charge Current (Amps, Max.@15S)	110		
Battery System Discharge lower-Voltage (VDC)	44.5		
Battery System Discharge Current (Amps, Standard)	30	45	60
Battery System Discharge Current (Amps, Normal)	75	100	100
Battery System Discharge Current (Amps, Max.@15S)	110		
Efficiency (% , ≤0.5C-rate)	96		
Depth of Discharge(%)	95		
Dimension(W*D*H,mm)	450*296*822	450*296*1120	450*296*1415
Communication	RS485\CAN		
Protection Class	IP55		
Weight (kg)	82	117.5	153
Operation Life (year)	15+		
Operation Temperature (°C)	0~50		
Storage Temperature (°C)	-20~60		
Altitude(M)	<2,000		
Product Certificate	VDE2510-50, IEC62619, CE RED, IEC62477-1, CEC		
Transfer Certificate	UN38.3		
1) Battery Controller Dimensions(W*D*H, mm)	450×296×190		
2) Battery Module Dimensions (W*D*H, mm)	450×296×296		
3) Battery bottom base Dimensions(W*D*H, mm)	450×296×40		

2.2.2 Battery Module (FL4874M)



Product Type	FL4874M
Cell Technology	Li-ion (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)	450*296*296
Weight (kg)	35.5
Operation Life (year)	15+
Operation Cycle Life (cycle)*	8,000
Operation Temperature (°C)	0~50
Storage Temperature (°C)	-20~60
Transportation Certificate	UN38.3

* Operation Cycle Life is defined based on specific operation conditions, for more details please check with Pylontech service team.