

Stack of Batteries

| Model | Force L1 | | | | | |
|--|--|-------|-------|-------|-------|-------|
| Battery System Capacity [kWh] 1 stack | 7.10 | 10.65 | 14.20 | 17.76 | 21.31 | 24.86 |
| Battery System Voltage [Vdc] | 48 | | | | | |
| Battery System Capacity [AH] | 148 | 222 | 296 | 370 | 444 | 518 |
| Battery Controller Name BMS | FC0048-100S | | | | | |
| Battery Module Name | FL48074 | | | | | |
| Battery Module Quantity [pcs] | 2 | 3 | 4 | 5 | 6 | 7 |
| Battery System Charge Upper-Voltage [Vdc] | 53.5 | | | | | |
| Battery System Charge Current [Amps, Normal] | 75 | 100 | | | | |
| Battery System Charge Current [Amps, max. @ 15 s] | 110 | | | | | |
| Battery System Discharge Lower-Voltage [Vdc] | 44.5 | | | | | |
| Battery System Discharge Current [Amps, Normal] | 75 | 100 | | | | |
| Battery System Discharge Current [Amps, max. @ 15 s] | 110 | | | | | |
| Efficiency [%] | 96 | | | | | |
| Depth of Discharge [%] | 90 | | | | | |
| Dimension [600x380xH, mm] | 530 | 700 | 870 | 1040 | 1210 | 1380 |
| Communication | RS485\CAN | | | | | |
| Protection Class | IP55 | | | | | |
| Weight [kg] | 86.5 | 123 | 159.5 | 196 | 232.5 | 269 |
| Operation Life [Years] | 15 | | | | | |
| Operation Cycle Life | >6000 | | | | | |
| Operation Temperature [°C] | 0~50°C | | | | | |
| Storage Temperature [°C] | -20 ~-60°C | | | | | |
| Altitude [mt] | <2000 | | | | | |
| Product Certificate | VDE2510-50, IEC62619 , CE RED, IEC62477-1, CEC | | | | | |
| Transport Certificate | UN38.3 | | | | | |
| Battery Controller Dimension [WxDxH] | 600x380x150 | | | | | |
| Battery Module Dimension [WxDxH] | 600x380x170 | | | | | |
| Battery bottom base Dimension (WxDxH) | 600x380x40 | | | | | |



Battery Module

Battery Module

| Model | FL48074 |
|-------------------------------|--------------|
| Cell Technology | Li-ion (LFP) |
| Battery Module Capacity [kWh] | 3.552 |
| Battery Module Voltage [Vdc] | 48 |
| Battery Module Capacity [Ah] | 74 |
| Battery Type | 2p15s |
| Battery Cell Voltage [Vdc] | 3.2 |
| Battery Cell Capacity [AH] | 37 |
| Dimension [WxDxH, mm] | 600x380x170 |
| Weight [kg] | 36.5 |
| Operation Life | 15 years |
| Operation Cycle Life | 6000 |
| Operation Temperature [°C] | 0~50°C |
| Storage Temperature [°C] | -20 ~-60°C |
| Transport Certificate | UN38.3 |

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