



Fox ESS LV54

LOW VOLTAGE STORAGE BATTERY



Long Life

Rated life span of more than 6000 cycles



Expandable

Storage capacity is expandable to 21.28kWh



High Efficiency

95% charge/discharge efficiency



Easy Installation

Easy, plug and play installation



Low Voltage



Easy Installation



High Efficiency



Expandable System



90% DoD

The LV54 are high-performance, scalable, low-voltage battery storage modules.

- 5.32kWh Capacity
- 90% Depth of Discharge
- Wide Temperature Tolerance
- Easy Installation
- ≥6000 Life Cycles
- CAN/RS485 Communication
- Low Voltage



Fox ESS LV54

BATTERY MODULES

SPECIFICATIONS

| | |
|--|---------------------------------------|
| Battery Type | LiFePO4 Prismatic Cell |
| Nominal Capacity [Ah] | 104 (1C) /106 (1/3C) |
| Nominal Voltage [V] | 51.2 |
| Operating Voltage [V] | 46.4 ~ 58.4 |
| Recommend Discharge Current [A] | 50 |
| Max.Charge/Discharge Current [A] | 50/100 |
| Peak Discharge Current [A] | 150 @30S |
| Battery Pack Round-Trip Efficiency [%] | ≥95 |
| Depth of Discharge [%] | 90 |
| Cycle Life *1 | ≥6000 |
| Communication | CAN, RS485 |
| Display | LED*5 |
| Scalability | Max. 4 Modules in Parallel |
| Installation Location | Indoor (Stand & hang) |
| Operating Temperature [°C]*2 | Charge: 0 ~ 55 Discharge: -10 ~ 55 |
| Storage Temperature [°C] | -20 ~ 55 |
| Cooling Method | Natural Convection |
| Humidity [%] | 5 ~ 95 (No Condensing) |
| Altitude [m] | Max. 2000 |
| Dimensions (L*W*H) [mm] | 620 * 420 * 184.5 |
| Weight [kg] | 49.5 ± 0.5 |
| Safety | EN62619 |
| EMC | IEC61000-6-1/3 |
| Transportation | UN38.3 |
| Ingress Protection | IP21 |

*1, 25°C, @90% DOD, 0.5C charging/discharging.

*2, Charge derating will occur between 0°C and +15°C.