



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.