FOX ESS

DATASHEET

EP5

HIGH VOLTAGE STORAGE BATTERY



- Scalable to 20.8kWh
- 100% Depth of Discharge
- Floor or Wall Mounting
- Compact & Easy Installation
- IP65 Protection Level
- High Voltage and High Efficiency

SAFETY RELIABLE

EASY INSTALLATION

HIGH EFFICIENCY

EXPANDABLE SYSTEM

100% DOD

The EP5 is a high-performance, scalable battery storage system, allows for maximum flexibility, making it suitable for a broad range of storage applications.

Additional batteries can be installed in parallel allowing for a maximum storage capacity of 20.8kWh.



For more information about the Fox ESS range, visit:
www.fox-ess.com

TECHNICAL SPECIFICATIONS

SYSTEM NAME	EP5
ELECTRICAL CHARACTERISTICS	
Compatible PCS	All Series of H1, KH, H3, H3-Pro, US
Battery Type	LFP ($LiFePO_4$)
Nominal Energy [kWh]	5.18
Usable Capacity [kWh]	5.18
Nominal Voltage [V]	192
Nominal Power [W]	5184
Operating Voltage [V]	174 ~ 219
Max.Charge/Discharge Current [A]*1	27
Recommend Charge Current [A]	13.5
Peak Discharge Current [A]	65 @60s
Peak Charge Current [A]	32.4 @5s
Battery Pack Round-Trip Efficiency [%]	≥95
Depth of Discharge [%]	100
Communication	CAN
Display	LED*5
Scalability	Max. 4 Units in Parallel
OPERATING CONDITIONS	
Installation Location	Outdoor/ Indoor
Operating Temperature [°C]	Charge: 0 ~ 55 Discharge: -10 ~ 55
Storage Temperature [°C]	0~35
Cooling Method	Natural Convection
Humidity [%]	5 ~ 95 (No Condensing)
Altitude [m]	Max. 2,000
MECHANICAL CHARACTERISTICS	
Dimensions (W*H*D) [mm]	380*625*147
Weight [kg]	50.5±2
CERTIFICATES	
Safety	IEC62619
EMC	EN IEC 61000-6-1/3
Transportation	UN38.3
Ingress Protection	IP65
MANUFACTURE	
Country of Manufacture	China

*1, The current is affected by temperature, cell voltage and SOC.