

Fox ESS EP5

INTEGRATED WITH HEATING FUNCTION



Smart Battery Heating



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.

- Scalable to 20.8 kWh
- 90% Depth of Discharge
- Floor or Wall Mounting
- Compact & Easy Installation
- IP65 Protection Level
- High Voltage and High Efficiency



Battery Heating



Safety Reliable



Easy Installation



High Efficiency



Expandable System



90% DoD

Fox ESS EP5

HIGH VOLTAGE STORAGE BATTERY

SYSTEM NAME		EP5	
ELECTRICAL CHARACTERISTICS			
Compatible PCS		All Series of H1, KH, H3, H3-Pro, US	
Battery Type		LifePO4 Prismatic Cell	
Nominal Energy [kWh]		5.18	
Nominal Voltage [V]		192	
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 [%]		90	
Cycle Life		≥4000	
Communication		CAN	
Display		LED*5	
Scalability		Max. 4 Units in Parallel	
OPERATING CONDITIONS			
Installation Location		Outdoor/ Indoor	
Operating Temperature [°C]	Warming deactivated:	Charge: 0 ~ 55 Discharge: -10 ~ 55	Warming activated: Charge: -25 ~ 55 Discharge: -25 ~ 55
Storage Temperature [°C]		0 ~ 35	
Cooling Method		Natural Convection	
Battery heating*		Yes	
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	

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

*2, Battery produced after 30th Aug 2024 will integrate with heating function