DATASHEET

HIGH VOLTAGE STORAGE BATTERY

EP5

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**

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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