



DATASHEET



# EP12

HIGH VOLTAGE STORAGE BATTERY



Smart Battery Warming

- Scalable to 46.08kWh
- 90% Depth of Discharge
- Floor or Wall Mounting
- Compact & Easy Installation
- IP65 Protection Level
- High Voltage and High Efficiency



BATTERY  
WARMING



SAFETY  
RELIABLE



EASY  
INSTALLATION



HIGH  
EFFICIENCY



EXPANDABLE  
SYSTEM



90%  
DOD



BUILT-IN  
FIRE SUPPRESSION

The EP12 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 46.08kWh.



For more information about the Fox ESS range, visit:  
[www.fox-ess.com](http://www.fox-ess.com)



<b>SYSTEM NAME</b>	<b>EP12</b>
<b>MODEL</b>	<b>EP12 Plus</b>
<b>ELECTRICAL CHARACTERISTICS</b>	
Compatible PCS	All Series of H1, KH, H3, H3-Pro, US
Battery Type	LFP (LiFePO <sub>4</sub> )
Nominal Energy [kWh]	11.52
Nominal Voltage [V]	384
Operating Voltage [V]	348 ~ 438
Max.Charge/Discharge Current [A]* <sup>1</sup>	30
Recommend Charge Current [A]	15
Peak Discharge Current [A]	65 @60s
Peak Charge Current [A]	36 @5s
Battery Pack Round-Trip Efficiency [%]	≥95
Depth of Discharge [%]	90
Cycle Life* <sup>2</sup>	≥6000
Communication	CAN
Display	LED*5
Scalability	Max. 4 Units in Parallel
<b>OPERATING CONDITIONS</b>	
Installation Location	Outdoor/ Indoor
Operating Temperature [°C]	Charge: -25 ~ 55 Discharge: -25 ~ 55
Storage Temperature [°C]	-10 ~ 40
Cooling Method	Natural Convection
Humidity [%]	5 ~ 95 (No Condensation)
Altitude [m]	Max. 3,000
<b>MECHANICAL CHARACTERISTICS</b>	
Dimensions (W*H*D) [mm]	710*640*185
Weight [kg]	98
<b>CERTIFICATES</b>	
Safety	IEC62619
EMC	EN IEC 61000-6-1/2/3/4
Transportation	UN38.3
Ingress Protection	IP65

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

\*2, @25C, @70% SOH, @90% DOD, 1C charging/discharging.