



# ECS4800

HIGH VOLTAGE STORAGE BATTERY



- 4.66kWh capacity
- Scalable to 32.61kWh
- 90% Depth of Discharge
- Large temperature tolerance
- CAN communication



HIGH  
VOLTAGE



EASY  
INSTALLATION



HIGH  
EFFICIENCY



EXPANDABLE  
SYSTEM



90%  
DOD

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

Additional batteries can be installed in series, allowing for a maximum storage capacity of 32.61kWh. Installation is easy, with a plug and play solution that can save valuable time for installers.



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



## TECHNICAL SPECIFICATIONS

MODEL	ECS4800 -H2	ECS4800 -H3	ECS4800 -H4	ECS4800 -H5	ECS4800 -H6	ECS4800 -H7
ELECTRICAL CHARACTERISTICS						
Battery Type	LFP (LiFePO <sub>4</sub> )					
Battery Module	1*CM4800 1*CS4800	1*CM4800 2*CS4800	1*CM4800 3*CS4800	1*CM4800 4*CS4800	1*CM4800 5*CS4800	1*CM4800 6*CS4800
Nominal Capacity [Wh]	9320	13980	18640	23300	27960	32610
Nominal Voltage [V]	89.6	134.4	179.2	224	268.8	313.6
Operating Voltage [V]	81.2 ~ 103	121.8 ~ 154.5	162.4 ~ 206	203 ~ 257.6	243.6 ~ 309.1	284.2 ~ 360.6
Recommend Discharge Current [A]	30					
Max. Charge/Discharge Current [A]	50					
Peak Discharge Current [A]	65 @60sec					
Battery Pack Round-Trip Efficiency [%]	>95					
Depth of discharge [%]	90					
Cycle Life <sup>*1</sup>	≥6000					
Communication	CAN					
Display	CS: LED*1, CM: LED*6					
Scalability	Max. 7 Modules in Series					
OPERATING CONDITIONS						
Installation Location	Outdoor/ Indoor (Stand)					
Operating Temperature [°C] <sup>**</sup>	Charge: 0 ~ 55 Discharge: -10 ~ 55					
Storage Temperature [°C]	-10 ~ 35					
Cooling method	Natural Convection					
Humidity [%]	5 ~ 95 (No Condensation)					
Altitude [m]	Max. 3,000					
MECHANICAL CHARACTERISTICS						
Dimensions (W*H*D) [mm]	570*386*380	570*524*380	570*662*380	570*800*380	570*938*380	570*1076*380
Weight [kg]	83.5	122.5	161.5	200.5	239.5	278.5
CERTIFICATES						
Safety	IEC 62619					
EMC	EN IEC 61000-6-1/2/3/4					
Transportation	UN38.3					
Ingress Protection	IP65					

\*1, 25°C, @90% DOD, 0.5C charging/discharging.

\*2, Charge derating will occur between 0°C and +15°C.

