

Fox ESS ECS BATTERY STORAGE SYSTEM



HIGH VOLTAGE BATTERY FROM Fox ESS

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 33.24 kWh. Installation is easy, with a plug and play solution that can save valuable time for installers.

- 4.74kWh capacity
- Scalable to 33.24 kWh
- 90% Depth of Discharge
- Large temperature tolerance
- Easy installation
- CAN communication
- High voltage



High Voltage



Simple
Installation



Height
Efficiency



Expandable
System



90%
DoD

Model	ECS4800 -H2	ECS4800 -H3	ECS4800 -H4	ECS4800 -H5	ECS4800 -H6	ECS4800 -H7
ELECTRICAL CHARACTERISTICS						
Battery Type	LiFePO4 Prismatic Cell					
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〕	9320/9490(1/3C)	13980/14240(1/3C)	18640/18990(1/3C)	23300/23740(1/3C)	27960/28490(1/3C)	32610/33240(1/3C)
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〕	25					
Max.Charge/Discharge Current〔A〕	50					
Peak Discharge Current〔A〕	65 @30sec					
Battery Pack Round-Trip Efficiency〔%〕	>95					
Depth of discharge〔%〕	90					
Cycle Life ^{*1}	≥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〕 ^{*2}	Charge: 0 ~ 55 Discharge: -10 ~ 55					
Storage Temperature〔°C〕	-20 ~ 55					
Cooling method	Natural Convection					
Humidity〔%〕	5 ~ 95 (No Condensing)					
Altitude〔m〕	Max. 2,000					
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〕	82±1	121±1.5	160±2	199±2.5	238±3	277±3.5
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.

