DATASHEET

ECS SERIES

ECS4100-H2/H3/H4/H5/H6/H7

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



- 4.03 kWh Capacity
- Scalable to 28.21 kWh
- 90% Depth of Discharge
- Wide Temperature Tolerance
- Easy Installation
- CAN/RS485 Communication
- High Voltage

High Voltage | **Easy Installation** | **High Efficiency** | **Expandable System** | **90% DoD**

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Fox ESS

ECS SERIES

ECS4100-H2/H3/H4/H5/H6/H7

Model	ECS4100 -H2	ECS4100 -H3	ECS4100 -H4	ECS4100 -H5	ECS4100 -H6	ECS4100 -H7
ELECTRICAL CHARACTERISTICS						
Battery Type	LiFePO4 Prismatic Cell					
Battery Module	1*CM4100 1*CS4100	1*CM4100 2*CS4100	1*CM4100 3*CS4100	1*CM4100 4*CS4100	1*CM4100 5*CS4100	1*CM4100 6*CS4100
Nominal Capacity [Wh]	8060	12090	16120	20150	24180	28210
Nominal Voltage [V]	115.2	172.8	230.4	288	345.6	403.2
Operating Voltage [V]	97.2 ~ 131.4	145.8 ~ 197.1	194.4 ~ 262.8	243 ~ 328.5	291.6 ~ 394.2	340.2 ~ 459.9
Recommend Discharge Current [A]	35					
Max. Charge/Discharge Current [A]	50					
Peak Discharge Current [A]	65 @60sec					
Battery Pack Round-Trip Efficiency [%]	>95					
Depth of discharge [%]	90					
Cycle Life[*1]	≥6000					
Communication	CAN, RS485					
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*350*380	570*470*380	570*590*380	570*710*380	570*830*380	570*950*380
Weight [kg]	75.5	111.1	146.7	182.3	217.9	253.5
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.