FOX ESS

DATASHEET

ECS2900

HIGH VOLTAGE STORAGE BATTERY



- 2.88kWh capacity
- Scalable to 20.16kWh
- 90% Depth of Discharge
- Large temperature tolerance
- CAN/RS485 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 20.16kWh. 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



TECHNICAL SPECIFICATIONS

MODEL	ECS2900 -H2	ECS2900 -H3	ECS2900 -H4	ECS2900 -H5	ECS2900 -H6	ECS2900 -H7
ELECTRICAL CHARACTERISTICS						
Battery Type	LFP ($LiFePO_4$)					
Battery Module	1*CM2900 1*CS2900	1*CM2900 2*CS2900	1*CM2900 3*CS2900	1*CM2900 4*CS2900	1*CM2900 5*CS2900	1*CM2900 6*CS2900
Nominal Capacity [Wh]	5760	8640	11520	14400	17280	20160
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]	25					
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 Condensation)					
Altitude [m]	Max. 3,000					
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]	68.3	100.3	132.3	164.3	196.3	228.3
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.