FOX ESS

DATASHEET

EQ5000

HIGH VOLTAGE STORAGE BATTERY

- 4.92kWh capacity
- Scalable to 29.52kWh
- 90% Depth of Discharge
- Large temperature tolerance
- CAN communication

HIGH VOLTAGE

EASY INSTALLATION

HIGH EFFICIENCY

EXPANDABLE SYSTEM

90% DOD

The EQ 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 29.52kWh. 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	EQ5000 -L2	EQ5000 -L3	EQ5000 -L4	EQ5000 -L5	EQ5000 -L6
ELECTRICAL CHARACTERISTICS					
Battery Type	LFP ($LiFePO_4$)				
Battery Module	1*EQ5000-M 1*EQ5000-S	1*EQ5000-M 2*EQ5000-S	1*EQ5000-M 3*EQ5000-S	1*EQ5000-M 4*EQ5000-S	1*EQ5000-M 5*EQ5000-S
Nominal Capacity [kWh]	9.84	14.76	19.68	24.60	29.52
Nominal Voltage [V]	128	192	256	320	384
Operating Voltage [V]	116 ~ 146	174 ~ 219	232 ~ 292	290 ~ 365	348 ~ 438
Recommend Discharge Current [A]	38.5				
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				
Display	EQ5000-S: LED*1, EQ5000-M: LED*6				
Scalability	Max. 6 Modules in Series				
OPERATING CONDITIONS					
Installation Location	Outdoor/ Indoor (Stand)				
Operating Temperature [°C]*2	Charge: 0 ~ 55 Discharge: -10 ~ 55				
Storage Temperature [°C]	-10 ~ 50				
Cooling method	Natural Convection				
Humidity [%]	5 ~ 95 (No Condensation)				
Altitude [m]	Max. 3,000				
MECHANICAL CHARACTERISTICS					
Dimensions (W*H*D) [mm]	570*375*380	570*510*380	570*645*380	570*780*380	570*915*380
Weight [kg]	97.2	140.7	184.2	227.7	271.2
CERTIFICATES					
Safety	IEC 62619				
EMC	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.