FOX ESS

DATASHEET

EQ5000

HIGH VOLTAGE STORAGE BATTERY

The EQ is a high-performance, scalable battery storage system. Its modular design enables maximum flexibility, making it suitable for a wide 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.



- 4.92kWh capacity
- Scalable to 29.52kWh
- 90% Depth of Discharge
- Wide operating temperature range
- CAN communication

HIGH VOLTAGE

EASY INSTALLATION

HIGH EFFICIENCY

EXPANDABLE SYSTEM

90% DOD

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 Energy [kWh]	9.84	14.76	19.68	24.60	29.52
Nominal Voltage [V]	128.0	192.0	256.0	320.0	384.0
Operating Voltage [V]	116.0 ~ 146.0	174.0 ~ 219.0	232.0 ~ 292.0	290.0 ~ 365.0	348.0 ~ 438.0
Recommend Discharge Current [A]			38.5		
Max. Charge/Discharge Current [A]*1			50		
Peak Discharge Current (60s) [A]			65		
Battery Pack Round-Trip Efficiency [%]			>95		
Depth of Discharge [%]			90		
Communication			CAN		
Display			EQ5000-S: LED*1, EQ5000-M: LED*6		
Scalability			Max. 6 Modules in Series		
OPERATING CONDITIONS					
Installation Location			Outdoor/ Indoor		
Operating Temperature [°C]			Charge: 0 ~ 55, Discharge: -10 ~ 55		
Operating Temperature [°C] (warm up function on, optional)			Charge: -25 ~ 55, Discharge: -25 ~ 55		
Storage Temperature [°C]			-10 ~ 50		
Cooling Method			Natural Convection		
Humidity [%]			5 ~ 95 (No Condensation)		
Altitude [m]			Max. 3,000		
PROTECTION					
Fire Protection Function			YES		
MECHANICAL CHARACTERISTICS					
Dimensions (W*H*D) [mm]	570*380*380	570*515*380	570*650*380	570*785*380	570*920*380
Weight [kg]	86	127	168	209	250
Cell Net Weight [kg]	56.3	84.5	112.6	140.8	168.9
CERTIFICATES					
Safety			IEC 62619		
EMC			IEC 61000-6-1/2/3/4		
Transportation			UN38.3		
Ingress Protection			IP65		

*1 The current is affected by temperature, cell voltage and SOC.