FOX ESS

DATASHEET

EQ4800

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 41.93kWh. Installation is easy, with a plug and play solution that can save valuable time for installers.

- 4.66kWh capacity
- Scalable to 41.93kWh
- 90% Depth of Discharge
- Large temperature tolerance
- CAN communication

HIGH VOLTAGE

EASY INSTALLATION

HIGH EFFICIENCY

EXPANDABLE SYSTEM

90% DOD

www.fox-ess.com

TECHNICAL SPECIFICATIONS

MODEL	EQ4800 -L2	EQ4800 -L3	EQ4800 -L4	EQ4800 -L5	EQ4800 -L6	EQ4800 -L7	EQ4800 -L8	EQ4800 -L9
ELECTRICAL CHARACTERISTICS								
Battery Type	LFP ($LiFePO_4$)							
Battery Module (EQ4800-M)	1							
Battery Module (EQ4800-S)	1	2	3	4	5	6	7	8
Nominal Capacity [kWh]	9.32	13.98	18.64	23.30	27.96	32.61	37.27	41.93
Nominal Voltage [V]	89.6	134.4	179.2	224.0	268.8	313.6	358.4	403.2
Operating Voltage [V]	81.2 ~ 103.0	121.8 ~ 154.5	162.4 ~ 206.0	203.0 ~ 257.6	243.6 ~ 309.1	284.2 ~ 360.6	324.8 ~ 412.2	365.4 ~ 463.7
Recommend Charge/Discharge Current [A]	30							
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	EQ4800-S: LED*1, EQ4800-M: LED*6							
Scalability	Max. 9 Modules in Series							
OPERATING CONDITIONS								
Installation Location	Outdoor/ Indoor (Stand)							
Operating Temperature [°C]	Charge: 0 ~ 55, Discharge: -10 ~ 55							
Storage Temperature [°C]	-10 ~ 35							
Cooling Method	Natural Convection							
Humidity [%]	5 ~ 95 (No Condensation)							
Altitude [m]	Max. 3,000							
PROTECTION								
Fire Protection Function	YES							
MECHANICAL CHARACTERISTICS								
Dimensions (W*D*H) [mm]	570*380							
	*386	*524	*662	*800	*938	*1076	*1214	*1352
Weight [kg] (±5%)	83.5	122.5	161.5	200.5	239.5	278.5	317.5	356.5
Cell Net Weight [kg] (±5%)	53.2	79.8	106.4	133.0	159.6	186.2	212.8	239.4
CERTIFICATES								
Safety	IEC 62619							
EMC	EN IEC 61000-6-1/2/3/4							
Transportation	UN38.3							
Ingress Protection	IP65							

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