



1K5-BAT-4660

HIGH VOLTAGE STORAGE BATTERY



- 4.66kWh capacity
- Scalable to 41.93kWh
- 100% Depth of Discharge
- Large temperature tolerance
- CAN communication



HIGH
VOLTAGE



EASY
INSTALLATION



HIGH
EFFICIENCY



EXPANDABLE
SYSTEM



100%
DOD

The 1k5-BAT-4660 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 41.93kWh. 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	1K5-BAT -4660-L2	1K5-BAT -4660-L3	1K5-BAT -4660-L4	1K5-BAT -4660-L5	1K5-BAT -4660-L6	1K5-BAT -4660-L7	1K5-BAT -4660-L8	1K5-BAT -4660-L9
ELECTRICAL CHARACTERISTICS								
Battery Type	LFP (LiFePO ₄)							
Battery Module	1*1K5-BAT-M-4660	1*1K5-BAT-M-4660	1*1K5-BAT-M-4660	1*1K5-BAT-M-4660	1*1K5-BAT-M-4660	1*1K5-BAT-M-4660	1*1K5-BAT-M-4660	1*1K5-BAT-M-4660
	1*1K5-BAT-S-4660	2*1K5-BAT-S-4660	3*1K5-BAT-S-4660	4*1K5-BAT-S-4660	5*1K5-BAT-S-4660	6*1K5-BAT-S-4660	7*1K5-BAT-S-4660	8*1K5-BAT-S-4660
Nominal Voltage [V]	89.6	134.4	179.2	224.0	268.8	313.6	358.4	403.2
Nominal Power [kW]	4.48	6.72	8.96	11.20	13.44	15.68	17.92	20.16
Nominal Energy [kWh]	9.32	13.98	18.64	23.30	27.96	32.61	37.27	41.93
Usable Capacity [kWh]	9.32	13.98	18.64	23.30	27.96	32.61	37.27	41.93
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
Normal capacity [Ah]	104							
Recommend Charge/Discharge Current [A]	30							
Max.Charge/Discharge Current [A] ^{*2}	50							
Peak Discharge Current(60S) [A]	65							
Battery Pack Round-Trip Efficiency [%] ^{*1}	>95							
Depth Of Discharge [%]	100							
Cycle Life ^{*1}	≥6000							
Communication	CAN							
Display	1K5-BAT-S-4660: LED*1, 1K5-BAT-M-4660: 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 Condensing)							
Altitude [m]	Max. 2,000							
MECHANICAL CHARACTERISTICS								
Dimensions (W*H*D) [mm]	570*386*380	570*524*380	570*662*380	570*800*380	570*938*380	570*1076*380	570*1214*380	570*1352*380
Weight [kg]	83.5	122.5	161.5	200.5	239.5	278.5	317.5	356.5
CERTIFICATES								
Safety	IEC 62619:2022, IEC 62040-1:2017, ISO 4892-4:2013							
EMC	EN IEC 61000-6-1/2/3/4							
Transportation	UN38.3							
Ingress Protection	IP65							
WARRANTY								
Standard Warranty [year] ^{**}	10 ^{*3}							
MANUFACTURE								
Country of Origin	China							

*1, @25°C, @70% SOH, @90% DOD, 0.3C charging/discharging.
*2, The current is affected by temperature ,cell voltage and SOC.
*3, Refer to Fox ESS Battery Warranty Terms and Conditions.