





- FOXO
- Scalable to 23.04kWh
- 90% Depth of Discharge
- Floor or Wall Mounting
- Compact & Easy Installation
- IP65 Protection Level
- High Voltage and High Efficiency



SAFETY RELIABLE



EASY INSTALLATION



HIGH EFFICIENCY



EXPANDABLE SYSTEM



90% DOD

The EK6 is a high-performance, scalable battery storage system, allows for maximum flexibility, making it suitable for a broad range of storage applications.

Additional batteries can be installed in parallel allowing for a maximum storage capacity of 23.04kWh.











For more information about the Fox ESS range, visit: WWW.fox-ess.com



TECHNICAL SPECIFICATIONS

ELECTRICAL CHARACTERISTICS Compatible PCS All Series of H1, KH, H3, H3-Pro, US Battery Type LFP (LiFePO₄) Nominal Energy [kWh] 5.76 Nominal Voltage [V] 192 Operating Voltage [V] 174 ~ 219 Max. Charge/Discharge Current [A] ** 30 Recommend Charge Current [A] 15 Peak Discharge Current [A] 65 @60s Peak Charge Current [A] 36 @5s Battery Pack Round-Trip Efficiency [%] ≥95 Depth of Discharge [%] 90 Communication CAN Display LED*5 Scalability Max. 4 Units in Parallel OPERATING CONDITIONS Installation Location Outdoor/ Indoor Operating Temperature [*C] Charge: 0 ~ 55 Storage Temperature [*C] -10 ~ 40 Cooling Method Natural Convection Humidity [%] 5 ~ 95 (No Condensation) Altitude [m] Max. 3,000 MECHANICAL CHARACTERISTICS The Charge: 10 ~ 50 Dimensions (W*H*D) [mm] 380*640*185	SYSTEM NAME	ЕК6	
Battery Type LFP (LiFePO₄) Nominal Energy [kWh] 5.76 Nominal Voltage [V] 192 Operating Voltage [V] 174 ~ 219 Max.Charge/Discharge Current [A]¹¹ 30 Recommend Charge Current [A] 15 Peak Discharge Current [A] 65 @60s Peak Charge Current [A] 36 @5s Battery Pack Round-Trip Efficiency [%] ≥95 Depth of Discharge [%] 90 Communication CAN Display LED*5 Scalability Max. 4 Units in Parallel OPERATING CONDITIONS Installation Location Outdoor/ Indoor Operating Temperature [*C] Discharge: 10 ~ 55 Storage Temperature [*C] 10 ~ 40 Cooling Method Natural Convection Humidity [%] 5 ~ 95 (No Condensation) Altitude [m] Max. 3,000 MECHANICAL CHARACTERISTICS Dimensions (W*H*D) [mm] 380*640*185 Weight [kg] 51	ELECTRICAL CHARACTERISTICS		
Nominal Energy [kWh] 5.76 Nominal Voltage [V] 192 Operating Voltage [V] 174 ~ 219 Max.Charge/Discharge Current [A]*¹ 30 Recommend Charge Current [A] 15 Peak Discharge Current [A] 65 @ 60s Peak Charge Current [A] 36 @ 5s Battery Pack Round-Trip Efficiency [%] ≥95 Depth of Discharge [%] 90 Communication CAN Display LED*5 Scalability Max. 4 Units in Parallel OPERATING CONDITIONS Installation Location Outdoor/ Indoor Operating Temperature [*C] Charge: 0 ~ 55 Discharge: +10 ~ 55 Storage Temperature [*C] -10 ~ 40 Cooling Method Natural Convection Humidity [%] 5 ~ 95 (No Condensation) Altitude [m] Max. 3,000 MECHANICAL CHARACTERISTICS Dimensions (W*H*D) [mm] 380*640*185 Weight [kg] 51	Compatible PCS	All Series of H1, KH, H3, H3-Pro, US	
Nominal Voltage [V] 192 Operating Voltage [V] 174 ~ 219 Max.Charge/Discharge Current [A]¹¹ 30 Recommend Charge Current [A] 15 Peak Discharge Current [A] 65 @60s Peak Charge Current [A] 36 @5s Battery Pack Round-Trip Efficiency [%] ≥95 Depth of Discharge [%] 90 Communication CAN Display LED*5 Scalability Max. 4 Units in Parallel OPERATING CONDITIONS Installation Location Outdoor/ Indoor Operating Temperature [*C] Charge: 0 ~ 55 Discharge: -10 ~ 55 Discharge: -10 ~ 55 Storage Temperature [*C] -10 ~ 40 Cooling Method Natural Convection Humidity [%] 5 ~ 95 (No Condensation) Altitude [m] Max. 3,000 MECHANICAL CHARACTERISTICS Dimensions (W*H*D) [mm] 380*640*185 Weight [kg] 51	Battery Type	LFP (LiFePO ₄)	
Operating Voltage [V] 174 ~ 219 Max.Charge/Discharge Current [A]¹¹ 30 Recommend Charge Current [A] 15 Peak Discharge Current [A] 65 @60s Peak Charge Current [A] 36 @5s Battery Pack Round-Trip Efficiency [%] ≥95 Depth of Discharge [%] 90 Communication CAN Display LED*5 Scalability Max. 4 Units in Parallel OPERATING CONDITIONS Installation Location Outdoor/ Indoor Operating Temperature [°C] Charge: 0 ~ 55 Storage Temperature [°C] -10 ~ 40 Cooling Method Natural Convection Humidity [%] 5 ~ 95 (No Condensation) Altitude [m] Max. 3,000 MECHANICAL CHARACTERISTICS Dimensions (W*H*D) [mm] 380*640*185 Weight [kg] 51	Nominal Energy [kWh]	5.76	
Max.Charge/Discharge Current [A] '1 30 Recommend Charge Current [A] 15 15 Peak Discharge Current [A] 65 @60s 65 @60s Peak Charge Current [A] 36 @5s 8attery Pack Round-Trip Efficiency [%] 295 Depth of Discharge [%] 90 90 Communication CAN CAN Display LED*5 Scalability Max. 4 Units in Parallel OPERATING CONDITIONS Installation Location Outdoor/ Indoor Operating Temperature [°C] Charge: 0~55 Discharge: -10~55 Storage Temperature [°C] -10~40 Cooling Method Natural Convection Humidity [%] 5~95 (No Condensation) Altitude [m] Max. 3,000 MECHANICAL CHARACTERISTICS Dimensions (W*H*D) [mm] 380*640*185 Weight [kg] 51	Nominal Voltage [V]	192	
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Peak Discharge Current [A] 65 @ 60s Peak Charge Current [A] 36 @ 5s Battery Pack Round-Trip Efficiency [%] ≥95 Depth of Discharge [%] 90 Communication CAN Display LED*5 Scalability Max. 4 Units in Parallel OPERATING CONDITIONS Installation Location Outdoor/ Indoor Operating Temperature [°C] Charge: 0 ~ 55 Discharge: -10 ~ 55 Storage Temperature [°C] -10 ~ 40 Cooling Method Natural Convection Humidity [%] 5 ~ 95 (No Condensation) Altitude [m] Max. 3,000 MECHANICAL CHARACTERISTICS Dimensions (W*H*D) [mm] 380*640*185 Weight [kg] 51	Max.Charge/Discharge Current [A]*1	30	
Peak Charge Current [A] 36 @5s Battery Pack Round-Trip Efficiency [%] ≥95 Depth of Discharge [%] 90 Communication CAN Display LED*5 Scalability Max. 4 Units in Parallel OPERATING CONDITIONS Installation Location Outdoor/ Indoor Operating Temperature [°C] Charge: 0 ~ 55 Discharge: -10 ~ 55 Storage Temperature [°C] -10 ~ 40 Cooling Method Natural Convection Humidity [%] 5 ~ 95 (No Condensation) Altitude [m] Max. 3,000 MECHANICAL CHARACTERISTICS Weight [kg] 51	Recommend Charge Current [A]	15	
Battery Pack Round-Trip Efficiency [%] ≥95 Depth of Discharge [%] 90 Communication CAN Display LED*5 Scalability Max. 4 Units in Parallel OPERATING CONDITIONS Installation Location Outdoor/ Indoor Operating Temperature [°C] Charge: 0 ~ 55 Discharge: -10 ~ 55 Storage Temperature [°C] -10 ~ 40 Cooling Method Natural Convection Humidity [%] 5 ~ 95 (No Condensation) Altitude [m] Max. 3,000 MECHANICAL CHARACTERISTICS Dimensions (W*H*D) [mm] 380*640*185 Weight [kg] 51	Peak Discharge Current [A]	65 @60s	
Depth of Discharge [%]90CommunicationCANDisplayLED*5ScalabilityMax. 4 Units in ParallelOPERATING CONDITIONSInstallation LocationOutdoor/ IndoorOperating Temperature [°C]Charge: 0 ~ 55 Discharge: -10 ~ 55Storage Temperature [°C]-10 ~ 40Cooling MethodNatural ConvectionHumidity [%]5 ~ 95 (No Condensation)Altitude [m]Max. 3,000MECHANICAL CHARACTERISTICSDimensions (W*H*D) [mm]380*640*185Weight [kg]51	Peak Charge Current [A]	36 @5s	
Communication CAN Display LED*5 Scalability Max. 4 Units in Parallel OPERATING CONDITIONS Installation Location Outdoor/ Indoor Operating Temperature [°C] Charge: 0 ~ 55 Discharge: -10 ~ 55 Storage Temperature [°C] -10 ~ 40 Cooling Method Natural Convection Humidity [%] 5 ~ 95 (No Condensation) Altitude [m] Max. 3,000 MECHANICAL CHARACTERISTICS Dimensions (W*H*D) [mm] 380*640*185 Weight [kg] 51	Battery Pack Round-Trip Efficiency [%]	≥95	
Display Scalability Max. 4 Units in Parallel OPERATING CONDITIONS Installation Location Operating Temperature [°C] Storage Temperature [°C] Cooling Method Natural Convection Humidity [%] Altitude [m] Max. 3,000 MECHANICAL CHARACTERISTICS Dimensions (W*H*D) [mm] 380*640*185 Weight [kg]	Depth of Discharge [%]	90	
Scalability Max. 4 Units in Parallel OPERATING CONDITIONS Installation Location Operating Temperature [°C] Charge: 0 ~ 55 Discharge: -10 ~ 55 Storage Temperature [°C]10 ~ 40 Cooling Method Natural Convection Humidity [%] 5 ~ 95 (No Condensation) Altitude [m] Max. 3,000 MECHANICAL CHARACTERISTICS Dimensions (W*H*D) [mm] 380*640*185 Weight [kg] 51	Communication	CAN	
Installation Location Outdoor/ Indoor Operating Temperature [°C] Charge: 0 ~ 55 Discharge: -10 ~ 55 Storage Temperature [°C] -10 ~ 40 Cooling Method Natural Convection Humidity [%] 5 ~ 95 (No Condensation) Altitude [m] Max. 3,000 MECHANICAL CHARACTERISTICS Dimensions (W*H*D) [mm] 380*640*185 Weight [kg] 51	Display	LED*5	
Installation Location Operating Temperature [°C] Charge: 0 ~ 55 Discharge: -10 ~ 55 Storage Temperature [°C] -10 ~ 40 Cooling Method Natural Convection Humidity [%] 5 ~ 95 (No Condensation) Altitude [m] Max. 3,000 MECHANICAL CHARACTERISTICS Dimensions (W*H*D) [mm] 380*640*185 Weight [kg] 5 1	Scalability	Max. 4 Units in Parallel	
Operating Temperature [°C] Charge: 0 ~ 55 Discharge: -10 ~ 55 Storage Temperature [°C] -10 ~ 40 Cooling Method Natural Convection Humidity [%] 5 ~ 95 (No Condensation) Altitude [m] Max. 3,000 MECHANICAL CHARACTERISTICS Dimensions (W*H*D) [mm] 380*640*185 Weight [kg] 5 1	OPERATING CONDITIONS		
Storage Temperature [°C] Cooling Method Natural Convection Humidity [%] Altitude [m] MECHANICAL CHARACTERISTICS Discharge: -10 ~ 55 -10 ~ 40 Natural Convection Max. 3,000 MECHANICAL CHARACTERISTICS Dimensions (W*H*D) [mm] 380*640*185 Weight [kg] 51	Installation Location	·	
Cooling Method Natural Convection Humidity [%] 5 ~ 95 (No Condensation) Altitude [m] Max. 3,000 MECHANICAL CHARACTERISTICS Dimensions (W*H*D) [mm] 380*640*185 Weight [kg] 51	Operating Temperature [°C]		
Humidity [%] 5 ~ 95 (No Condensation) Altitude [m] Max. 3,000 MECHANICAL CHARACTERISTICS Dimensions (W*H*D) [mm] 380*640*185 Weight [kg] 51	Storage Temperature [°C]	-10 ~ 40	
Altitude [m] Max. 3,000 MECHANICAL CHARACTERISTICS 380*640*185 Dimensions (W*H*D) [mm] 380*640*185 Weight [kg] 51	Cooling Method	Natural Convection	
MECHANICAL CHARACTERISTICS Dimensions (W*H*D) [mm] 380*640*185 Weight [kg] 51	Humidity [%]	5 ~ 95 (No Condensation)	
Dimensions (W*H*D) [mm] 380*640*185 Weight [kg] 51	Altitude [m]	Max. 3,000	
Weight [kg] 51	MECHANICAL CHARACTERISTICS		
	Dimensions (W*H*D) [mm]	380*640*185	
CERTIFICATES	Weight [kg]	51	
	CERTIFICATES		
Safety IEC62619	Safety	IEC62619	
EMC EN IEC 61000-6-1/2/3/4	EMC	EN IEC 61000-6-1/2/3/4	
Transportation UN38.3	Transportation	UN38.3	
Ingress Protection IP65	Ingress Protection	IP65	

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