

Fox ESS PowerQ



11.4kW/20kWh



Fox ESS storage solutions are available with advanced and intuitive app based remote control and monitoring functionality.



EASY INSTALLATION

Integrated configuration, plug and play set-up.



FLEXIBILITY

Modular design to meet various backup scenarios, scalable up to 80kWh.



TYPE 4X

Engineered to last with maximum flexibility. Suitable for outdoor installation.



REMOTE MONITORING

Monitor your system remotely via smartphone app or web portal.

Fox ESS PowerQ is the latest generation of an integrated residential energy storage system. With up to 80kWh total backup capacity, PowerQ is designed to meet various backup scenarios via modular system design and scalability.

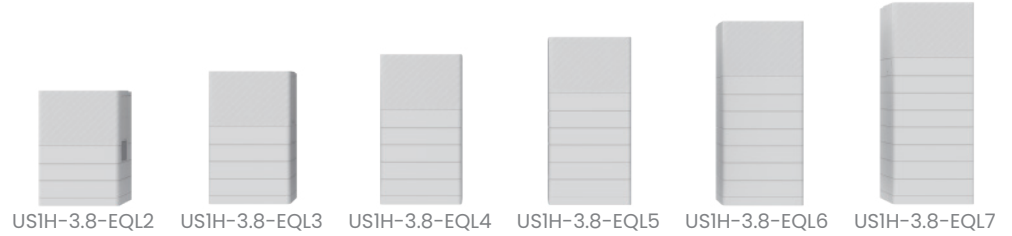
- Hybrid PV Input Up to 22.8kW per PowerQ
- LFP Battery, Up to 20kWh per PowerQ
- Scalable Up to 4 Units, Totally Up to 80kWh Backup Capacity
- Both Wi-Fi & 4G Communication Available
- LRA Up to 110A
- Multiple Energy Operation Modes
- Compatible with Generator with Fox Hub G2



TECHNICAL SPECIFICATIONS

Fox ESS PowerQ

2 Battery Modules 3 Battery Modules 4 Battery Modules 5 Battery Modules 6 Battery Modules 7 Battery Modules

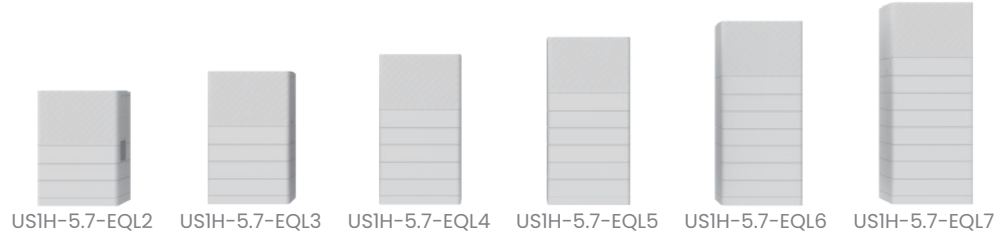


ENERGY STORAGE						
Total energy [kWh]	7.94	11.91	15.88	19.85	23.82	27.79
AC OUTPUT						
Max. Continuous power [kW]	3.8					
Max. Output power Without PV [kW]	3.8					
Max. Continuous current [A]	15.8					
Nominal Frequency [Hz]	60					
Load Start Capacity [A] LRA	48	72	96	110	110	110
Imbalance for Split-Phase Loads [%]	100					
PV INPUT						
Max. solar STC power [kW]	7.6					
Max. PV input voltage [V]	600					
MPPT Voltage Range [V]	80 ~ 550					
Max. PV input current per MPPT [A]	28/14					
MPPT & Strings	2 (MPPT 1: 2 Strings; MPPT 2: 1 String)					
CEC efficiency (PV) [%]	96.0					
GENERAL DATA						
Hybrid inverter Qty	1					
Battery modules Qty	2	3	4	5	6	7
Base Qty	1					
Dimension (W*H*D) [inch]	22.4*33.4*15	22.4*38.8*15	22.4*44.3*15	22.4*49.7*15	22.4*55.1*15	22.4*60.6*15
[mm]	570*848*380	570*986*380	570*1124*380	570*1262*380	570*1400*380	570*1538*380
Weight [lb/kg]	Inverter					
	Battery module					
	Base					
	Total					
	282.9 / 128.3	364.2 / 165.2	445.6 / 202.1	526.9 / 239	608.3 / 275.9	689.6 / 312.8
Enclosure rating	Type 4X					
Operation temperature range [°F/°C]	14 ~ +131 / -10 ~ +55 (Derating above 104 / 40)					
Relative humidity [%]	0 ~ 100 (No Condensation)					
Typical noise emission [dB]	<35					
Max. operation altitude [ft/m]	6,560 / 2000					
Internal Consumption at Night [W]	<25					
Cooling Method	Natural convection					
Scalability	4					
Safety and EMC	UL9540A, UL9540, UL1973, UL1741 SA, UL 1741 SB, UL1741 CRD, CSA C22.2 No.107.1-16, UL1998, UL1699B, HECO SRD-V2.0; IEEE1547-2018, IEEE1547a-2020, IEEE1547.1-2020, Rule21; FCC part15 CLASS B					
Mounting	Ground mount					
Display	LED, App, Website					
Communication	WiFi, 4G, LAN					
Interface	CAN2.0, RS485, Meter, CT, ISO alarm, SUNSPEC					
Warranty [year]	12.5					

TECHNICAL SPECIFICATIONS

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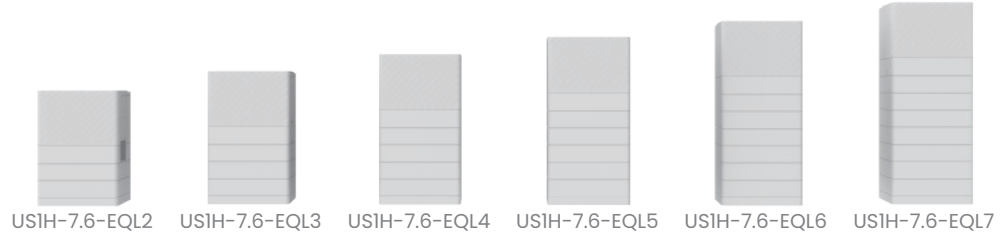


ENERGY STORAGE						
Total energy [kWh]	7.94	11.91	15.88	19.85	23.82	27.79
AC OUTPUT						
Max. Continuous power [kW]	5.7					
Max. Output power Without PV [kW]	5.7					
Max. Continuous current [A]	23.8					
Nominal Frequency [Hz]	60					
Load Start Capacity [A] LRA	48	72	96	110	110	110
Imbalance for Split-Phase Loads [%]	100					
PV INPUT						
Max. solar STC power [kW]	11.4					
Max. PV input voltage [V]	600					
MPPT Voltage Range [V]	80 ~ 550					
Max. PV input current per MPPT [A]	28/14					
MPPT & Strings	2 (MPPT 1: 2 Strings; MPPT 2: 1 String)					
CEC efficiency (PV) [%]	97.0					
GENERAL DATA						
Hybrid inverter Qty	1					
Battery modules Qty	2	3	4	5	6	7
Base Qty	1					
Dimension (W*H*D) [inch]	22.4*33.4*15	22.4*38.8*15	22.4*44.3*15	22.4*49.7*15	22.4*55.1*15	22.4*60.6*15
[mm]	570*848*380	570*986*380	570*1124*380	570*1262*380	570*1400*380	570*1538*380
Weight [lb/kg]	Inverter					
	Battery module					
	Base					
	Total					
	282.9 / 128.3	364.2 / 165.2	445.6 / 202.1	526.9 / 239	608.3 / 275.9	689.6 / 312.8
Enclosure rating	Type 4X					
Operation temperature range [°F/°C]	14 ~ +131 / -10 ~ +55 (Derating above 104 / 40)					
Relative humidity [%]	0 ~ 100 (No Condensation)					
Typical noise emission [dB]	<35					
Max. operation altitude [ft/m]	6,560 / 2000					
Internal Consumption at Night [W]	<25					
Cooling Method	Natural convection					
Scalability	4					
Safety and EMC	UL9540A, UL9540, UL1973, UL1741 SA, UL 1741 SB, UL1741 CRD, CSA C22.2 No.107.1-16, UL1998, UL1699B, HECO SRD-V2.0; IEEE1547-2018, IEEE1547a-2020, IEEE1547.1-2020, Rule21; FCC part15 CLASS B					
Mounting	Ground mount					
Display	LED, App, Website					
Communication	WiFi, 4G, LAN					
Interface	CAN2.0, RS485, Meter, CT, ISO alarm, SUNSPEC					
Warranty [year]	12.5					

TECHNICAL SPECIFICATIONS

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ENERGY STORAGE

Total energy [kWh]	7.94	11.91	15.88	19.85	23.82	27.79
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AC OUTPUT

Max. Continuous power [kW]	7.6					
Max. Output power Without PV [kW]	5.76	7.6	7.6	7.6	7.6	7.6
Max. Continuous current [A]	31.7					
Nominal Frequency [Hz]	60					
Load Start Capacity [A] LRA	48	72	96	110	110	110
Imbalance for Split-Phase Loads [%]	100					

PV INPUT

Max. solar STC power [kW]	15.2					
Max. PV input voltage [V]	600					
MPPT Voltage Range [V]	80 ~ 550					
Max. PV input current per MPPT [A]	28/14					
MPPT & Strings	2 (MPPT 1: 2 Strings; MPPT 2: 1 String)					
CEC efficiency (PV) [%]	97.0					

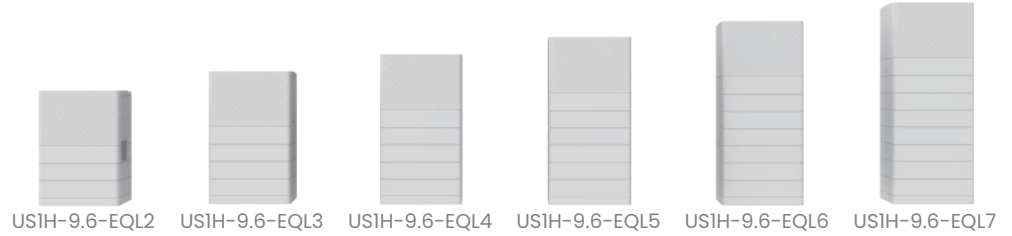
GENERAL DATA

Hybrid inverter Qty	1					
Battery modules Qty	2	3	4	5	6	7
Base Qty	1					
Dimension (W*H*D) [inch]	22.4*33.4*15	22.4*38.8*15	22.4*44.3*15	22.4*49.7*15	22.4*55.1*15	22.4*60.6*15
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Weight [lb/kg]	Inverter					
	Battery module					
	Base					
	Total					
	282.9 / 128.3	364.2 / 165.2	445.6 / 202.1	526.9 / 239	608.3 / 275.9	689.6 / 312.8
Enclosure rating	Type 4X					
Operation temperature range [°F/°C]	14 ~ +131 / -10 ~ +55 (Derating above 104 / 40)					
Relative humidity [%]	0 ~ 100 (No Condensation)					
Typical noise emission [dB]	<35					
Max. operation altitude [ft/m]	6,560 / 2000					
Internal Consumption at Night [W]	<25					
Cooling Method	Natural convection					
Scalability	4					
Safety and EMC	UL9540A, UL9540, UL1973, UL1741 SA, UL 1741 SB, UL1741 CRD, CSA C22.2 No.107.1-16, UL1998, UL1699B, HECO SRD-V2.0; IEEE1547-2018, IEEE1547a-2020, IEEE1547.1-2020, Rule21; FCC part15 CLASS B					
Mounting	Ground mount					
Display	LED, App, Website					
Communication	WiFi, 4G, LAN					
Interface	CAN2.0, RS485, Meter, CT, ISO alarm, SUNSPEC					
Warranty [year]	12.5					

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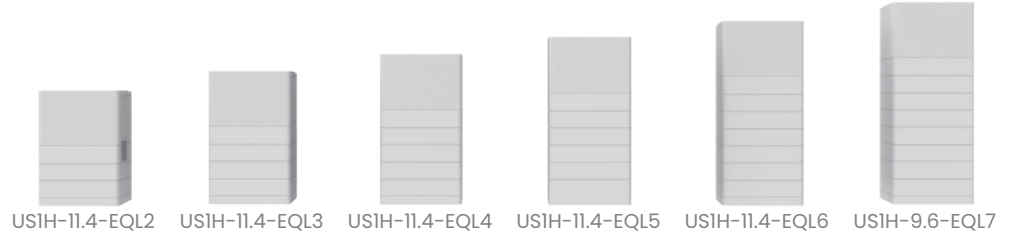


	2 Battery Modules	3 Battery Modules	4 Battery Modules	5 Battery Modules	6 Battery Modules	7 Battery Modules
ENERGY STORAGE						
Total energy [kWh]	7.94	11.91	15.88	19.85	23.82	27.79
AC OUTPUT						
Max. Continuous power [kW]				9.6		
Max. Output power Without PV [kW]	5.76	8.64	9.6	9.6	9.6	9.6
Max. Continuous current [A]				40		
Nominal Frequency [Hz]				60		
Load Start Capacity [A] LRA	48	72	96	110	110	110
Imbalance for Split-Phase Loads [%]				100		
PV INPUT						
Max. solar STC power [kW]				19.2		
Max. PV input voltage [V]				600		
MPPT Voltage Range [V]				80 ~ 550		
Max. PV input current per MPPT [A]				28/14/14		
MPPT & Strings				3 (MPPT 1: 2 Strings; MPPT 2&3: 1 String)		
CEC efficiency (PV) [%]				97.0		
GENERAL DATA						
Hybrid inverter Qty				1		
Battery modules Qty	2	3	4	5	6	7
Base Qty				1		
Dimension (W*H*D) [inch]	22.4*33.4*15	22.4*38.8*15	22.4*44.3*15	22.4*49.7*15	22.4*55.1*15	22.4*60.6*15
[mm]	570*848*380	570*986*380	570*1124*380	570*1262*380	570*1400*380	570*1538*380
Weight [lb/kg]	Inverter		112.44 / 51			
	Battery module		81.35 / 36.9			
	Base		7.72 / 3.5			
	Total	282.9 / 128.3	364.2 / 165.2	445.6 / 202.1	526.9 / 239	608.3 / 275.9
				689.6 / 312.8		
Enclosure rating				Type 4X		
Operation temperature range [°F/°C]				14 ~ +131 / -10 ~ +55 (Derating above 104 / 40)		
Relative humidity [%]				0 ~ 100 (No Condensation)		
Typical noise emission [dB]				<35		
Max. operation altitude [ft/m]				6,560 / 2000		
Internal Consumption at Night [W]				<25		
Cooling Method				Natural convection		
Scalability				4		
Safety and EMC	UL9540A, UL9540, UL1973, UL1741 SA, UL 1741 SB, UL1741 CRD, CSA C22.2 No.107.1-16, UL1998, UL1699B, HECO SRD-V2.0; IEEE1547-2018, IEEE1547a-2020, IEEE1547.1-2020, Rule21; FCC part15 CLASS B					
Mounting				Ground mount		
Display				LED, App, Website		
Communication				WiFi, 4G, LAN		
Interface				CAN2.0, RS485, Meter, CT, ISO alarm, SUNSPEC		
Warranty [year]				12.5		

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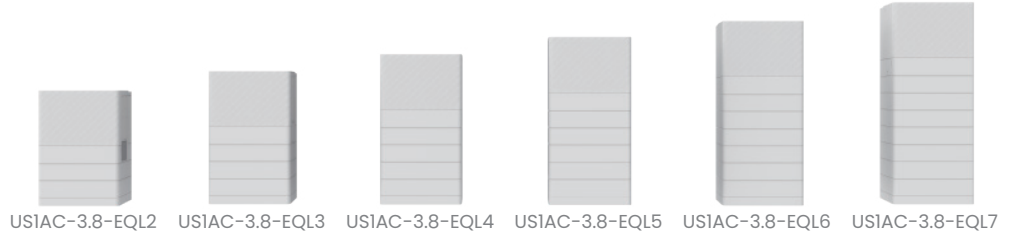


ENERGY STORAGE						
Total energy [kWh]	7.94	11.91	15.88	19.85	23.82	27.79
AC OUTPUT						
Max. Continuous power [kW]				11.4		
Max. Output power Without PV [kW]	5.76	8.64	11.4	11.4	11.4	11.4
Max. Continuous current [A]				47.5		
Nominal Frequency [Hz]				60		
Load Start Capacity [A] LRA	48	72	96	110	110	110
Imbalance for Split-Phase Loads [%]				100		
PV INPUT						
Max. solar STC power [kW]				22.8		
Max. PV input voltage [V]				600		
MPPT Voltage Range [V]				80 ~ 550		
Max. PV input current per MPPT [A]				28/14/14		
MPPT & Strings				3 (MPPT 1: 2 Strings; MPPT 2&3: 1 String)		
CEC efficiency (PV) [%]				97.5		
GENERAL DATA						
Hybrid inverter Qty				1		
Battery modules Qty	2	3	4	5	6	7
Base Qty				1		
Dimension (W*H*D) [inch]	22.4*33.4*15	22.4*38.8*15	22.4*44.3*15	22.4*49.7*15	22.4*55.1*15	22.4*60.6*15
[mm]	570*848*380	570*986*380	570*1124*380	570*1262*380	570*1400*380	570*1538*380
Weight [lb/kg]	Inverter		112.44 / 51			
	Battery module		81.35 / 36.9			
	Base		7.72 / 3.5			
	Total	282.9 / 128.3	364.2 / 165.2	445.6 / 202.1	526.9 / 239	608.3 / 275.9
				689.6 / 312.8		
Enclosure rating				Type 4X		
Operation temperature range [°F/°C]				14 ~ +131 / -10 ~ +55 (Derating above 104 / 40)		
Relative humidity [%]				0 ~ 100 (No Condensation)		
Typical noise emission [dB]				<35		
Max. operation altitude [ft/m]				6,560 / 2000		
Internal Consumption at Night [W]				<25		
Cooling Method				Natural convection		
Scalability				4		
Safety and EMC	UL9540A, UL9540, UL1973, UL1741 SA, UL 1741 SB, UL1741 CRD, CSA C22.2 No.107.1-16, UL1998, UL1699B, HECO SRD-V2.0; IEEE1547-2018, IEEE1547a-2020, IEEE1547.1-2020, Rule21; FCC part15 CLASS B					
Mounting				Ground mount		
Display				LED, App, Website		
Communication				WiFi, 4G, LAN		
Interface				CAN2.0, RS485, Meter, CT, ISO alarm, SUNSPEC		
Warranty [year]				12.5		

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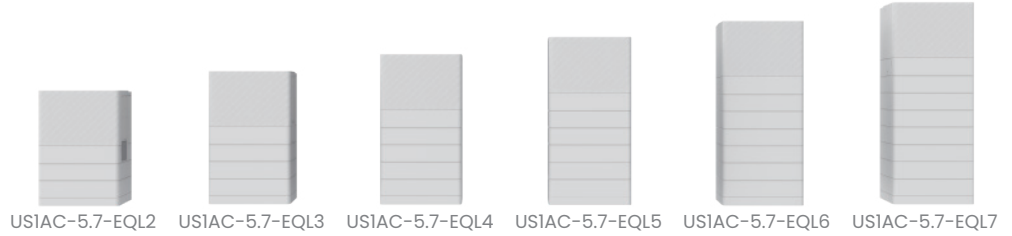


ENERGY STORAGE						
Total energy [kWh]	7.94	11.91	15.88	19.85	23.82	27.79
AC OUTPUT						
Max. Continuous power [kW]						3.8
Max. Continuous current [A]						15.8
Nominal Frequency [Hz]						60
Load Start Capacity [A] LRA	48	72	96	110	110	110
Imbalance for Split-Phase Loads [%]						100
CEC efficiency						95.5
GENERAL DATA						
Hybrid inverter Qty						1
Battery modules Qty	2	3	4	5	6	7
Base Qty						1
Dimension (W*H*D) [inch]	22.4*33.4*15	22.4*38.8*15	22.4*44.3*15	22.4*49.7*15	22.4*55.1*15	22.4*60.6*15
[mm]	570*848*380	570*986*380	570*1124*380	570*1262*380	570*1400*380	570*1538*380
Weight [lb/kg]	Inverter		112.44 / 51			
	Battery module		81.35 / 36.9			
	Base		7.72 / 3.5			
	Total	282.9 / 128.3	364.2 / 165.2	445.6 / 202.1	526.9 / 239	608.3 / 275.9 689.6 / 312.8
Enclosure rating						Type 4X
Operation temperature range [°F/°C]						14 ~ +131 / -10 ~ +55 (Derating above 104 / 40)
Relative humidity [%]						0 ~ 100 (No Condensation)
Typical noise emission [dB]						<35
Max. operation altitude [ft/m]						6,560 / 2000
Internal Consumption at Night [W]						<25
Cooling Method						Natural convection
Scalability						4
Safety and EMC						UL9540A, UL9540, UL1973, UL1741 SA, UL 1741 SB, UL1741 CRD, CSA C22.2 No.107.1-16, UL1998, UL1699B, HECO SRD-V2.0; IEEE1547-2018, IEEE1547a-2020, IEEE1547.1-2020, Rule21; FCC part15 CLASS B
Mounting						Ground mount
Display						LED, App, Website
Communication						WiFi, 4G, LAN
Interface						CAN2.0, RS485, Meter, CT, ISO alarm, SUNSPEC
Warranty [year]						12.5

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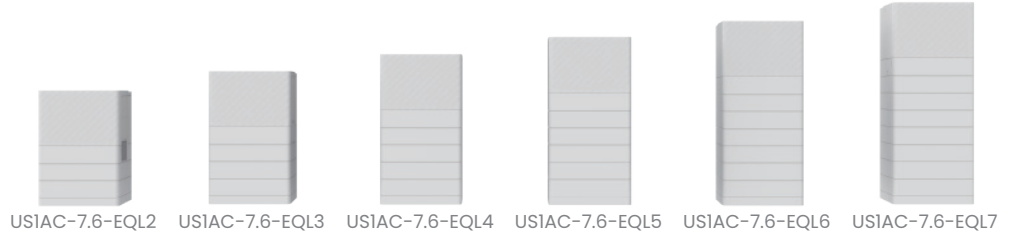


ENERGY STORAGE							
Total energy [kWh]	7.94	11.91	15.88	19.85	23.82	27.79	
AC OUTPUT							
Max. Continuous power [kW]						5.7	
Max. Continuous current [A]						23.8	
Nominal Frequency [Hz]						60	
Load Start Capacity [A] LRA	48	72	96	110	110	110	
Imbalance for Split-Phase Loads [%]						100	
CEC efficiency						96.5	
GENERAL DATA							
Hybrid inverter Qty						1	
Battery modules Qty	2	3	4	5	6	7	
Base Qty						1	
Dimension (W*H*D) [inch]	22.4*33.4*15	22.4*38.8*15	22.4*44.3*15	22.4*49.7*15	22.4*55.1*15	22.4*60.6*15	
[mm]	570*848*380	570*986*380	570*1124*380	570*1262*380	570*1400*380	570*1538*380	
Weight [lb/kg]	Inverter						112.44 / 51
	Battery module						81.35 / 36.9
	Base						7.72 / 3.5
	Total	282.9 / 128.3	364.2 / 165.2	445.6 / 202.1	526.9 / 239	608.3 / 275.9	689.6 / 312.8
Enclosure rating						Type 4X	
Operation temperature range [°F/°C]						14 ~ +131 / -10 ~ +55 (Derating above 104 / 40)	
Relative humidity [%]						0 ~ 100 (No Condensation)	
Typical noise emission [dB]						<35	
Max. operation altitude [ft/m]						6,560 / 2000	
Internal Consumption at Night [W]						<25	
Cooling Method						Natural convection	
Scalability						4	
Safety and EMC						UL9540A, UL9540, UL1973, UL1741 SA, UL 1741 SB, UL1741 CRD, CSA C22.2 No.107.1-16, UL1998, UL1699B, HECO SRD-V2.0; IEEE1547-2018, IEEE1547a-2020, IEEE1547.1-2020, Rule21; FCC part15 CLASS B	
Mounting						Ground mount	
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Interface						CAN2.0, RS485, Meter, CT, ISO alarm, SUNSPEC	
Warranty [year]						12.5	

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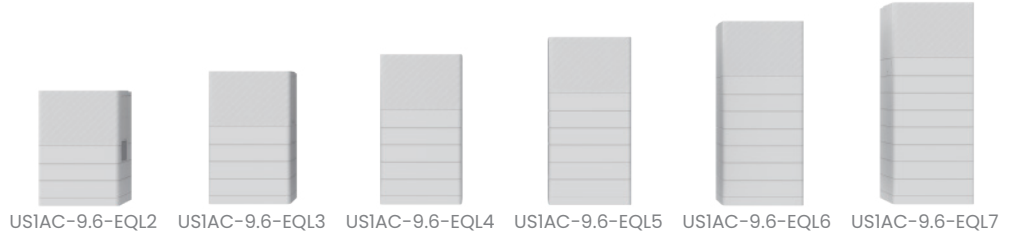


ENERGY STORAGE							
Total energy [kWh]	7.94	11.91	15.88	19.85	23.82	27.79	
AC OUTPUT							
Max. Continuous power [kW]	5.76	7.6	7.6	7.6	7.6	7.6	
Max. Continuous current [A]	24	31.7	31.7	31.7	31.7	31.7	
Nominal Frequency [Hz]	60						
Load Start Capacity [A] LRA	48	72	96	110	110	110	
Imbalance for Split-Phase Loads [%]	100						
CEC efficiency	96.5						
GENERAL DATA							
Hybrid inverter Qty				1			
Battery modules Qty	2	3	4	5	6	7	
Base Qty	1						
Dimension (W*H*D) [inch]	22.4*33.4*15	22.4*38.8*15	22.4*44.3*15	22.4*49.7*15	22.4*55.1*15	22.4*60.6*15	
[mm]	570*848*380	570*986*380	570*1124*380	570*1262*380	570*1400*380	570*1538*380	
Weight [lb/kg]	Inverter	112.44 / 51					
	Battery module	81.35 / 36.9					
	Base	7.72 / 3.5					
	Total	282.9 / 128.3	364.2 / 165.2	445.6 / 202.1	526.9 / 239	608.3 / 275.9	689.6 / 312.8
Enclosure rating	Type 4X						
Operation temperature range [°F/°C]	14 ~ +131 / -10 ~ +55 (Derating above 104 / 40)						
Relative humidity [%]	0 ~ 100 (No Condensation)						
Typical noise emission [dB]	<35						
Max. operation altitude [ft/m]	6,560 / 2000						
Internal Consumption at Night [W]	<25						
Cooling Method	Natural convection						
Scalability	4						
Safety and EMC	UL9540A, UL9540, UL1973, UL1741 SA, UL 1741 SB, UL1741 CRD, CSA C22.2 No.107.1-16, UL1998, UL1699B, HECO SRD-V2.0; IEEE1547-2018, IEEE1547a-2020, IEEE1547.1-2020, Rule21; FCC part15 CLASS B						
Mounting	Ground mount						
Display	LED, App, Website						
Communication	WiFi, 4G, LAN						
Interface	CAN2.0, RS485, Meter, CT, ISO alarm, SUNSPEC						
Warranty [year]	12.5						

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2 Battery Modules 3 Battery Modules 4 Battery Modules 5 Battery Modules 6 Battery Modules 7 Battery Modules



ENERGY STORAGE

Total energy [kWh]	7.94	11.91	15.88	19.85	23.82	27.79
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AC OUTPUT

Max. Continuous power [kW]	5.76	8.64	9.6	9.6	9.6	9.6
Max. Continuous current [A]	24	36	40	40	40	40
Nominal Frequency [Hz]	60					
Load Start Capacity [A] LRA	48	72	96	110	110	110
Imbalance for Split-Phase Loads [%]	100					
CEC efficiency	97.0					

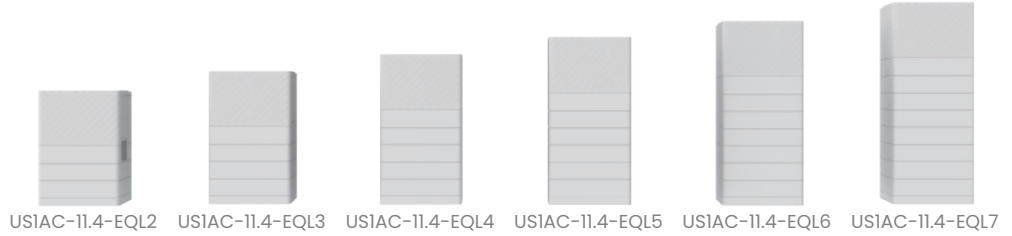
GENERAL DATA

Hybrid inverter Qty	1						
Battery modules Qty	2	3	4	5	6	7	
Base Qty	1						
Dimension (W*H*D) [inch]	22.4*33.4*15	22.4*38.8*15	22.4*44.3*15	22.4*49.7*15	22.4*55.1*15	22.4*60.6*15	
[mm]	570*848*380	570*986*380	570*1124*380	570*1262*380	570*1400*380	570*1538*380	
Weight [lb/kg]	Inverter	112.44 / 51					
	Battery module	81.35 / 36.9					
	Base	7.72 / 3.5					
	Total	282.9 / 128.3	364.2 / 165.2	445.6 / 202.1	526.9 / 239	608.3 / 275.9	689.6 / 312.8
Enclosure rating	Type 4X						
Operation temperature range [°F/°C]	14 ~ +131 / -10 ~ +55 (Derating above 104 / 40)						
Relative humidity [%]	0 ~ 100 (No Condensation)						
Typical noise emission [dB]	<35						
Max. operation altitude [ft/m]	6,560 / 2000						
Internal Consumption at Night [W]	<25						
Cooling Method	Natural convection						
Scalability	4						
Safety and EMC	UL9540A, UL9540, UL1973, UL1741 SA, UL 1741 SB, UL1741 CRD, CSA C22.2 No.107.1-16, UL1998, UL1699B, HECO SRD-V2.0; IEEE1547-2018, IEEE1547a-2020, IEEE1547.1-2020, Rule21; FCC part15 CLASS B						
Mounting	Ground mount						
Display	LED, App, Website						
Communication	WiFi, 4G, LAN						
Interface	CAN2.0, RS485, Meter, CT, ISO alarm, SUNSPEC						
Warranty [year]	12.5						

TECHNICAL SPECIFICATIONS

Fox ESS PowerQ

2 Battery Modules 3 Battery Modules 4 Battery Modules 5 Battery Modules 6 Battery Modules 7 Battery Modules



ENERGY STORAGE

Total energy [kWh]	7.94	11.91	15.88	19.85	23.82	27.79
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AC OUTPUT

Max. Continuous power [kW]	5.76	8.64	11.4	11.4	11.4	11.4
Max. Continuous current [A]	24	36	47.5	47.5	47.5	47.5
Nominal Frequency [Hz]	60					
Load Start Capacity [A] LRA	48	72	96	110	110	110
Imbalance for Split-Phase Loads [%]	100					
CEC efficiency	97.0					

GENERAL DATA

Hybrid inverter Qty	1					
Battery modules Qty	2	3	4	5	6	7
Base Qty	1					
Dimension (W*H*D) [inch]	22.4*33.4*15	22.4*38.8*15	22.4*44.3*15	22.4*49.7*15	22.4*55.1*15	22.4*60.6*15
[mm]	570*848*380	570*986*380	570*1124*380	570*1262*380	570*1400*380	570*1538*380
Weight [lb/kg]	Inverter					
	Battery module					
	Base					
	Total					
	282.9 / 128.3	364.2 / 165.2	445.6 / 202.1	526.9 / 239	608.3 / 275.9	689.6 / 312.8
Enclosure rating	Type 4X					
Operation temperature range [°F/°C]	14 ~ +131 / -10 ~ +55 (Derating above 104 / 40)					
Relative humidity [%]	0 ~ 100 (No Condensation)					
Typical noise emission [dB]	<35					
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Safety and EMC	UL9540A, UL9540, UL1973, UL1741 SA, UL 1741 SB, UL1741 CRD, CSA C22.2 No.107.1-16, UL1998, UL1699B, HECO SRD-V2.0; IEEE1547-2018, IEEE1547a-2020, IEEE1547.1-2020, Rule21; FCC part15 CLASS B					
Mounting	Ground mount					
Display	LED, App, Website					
Communication	WiFi, 4G, LAN					
Interface	CAN2.0, RS485, Meter, CT, ISO alarm, SUNSPEC					
Warranty [year]	12.5					

TECHNICAL SPECIFICATIONS

FOX HUB G2



FOX HUB G2

GENERAL ELECTRICAL

AC Current (Nominal) [A]	200
AC Input Voltage (Nominal) [Vac]	240
AC Output Voltage (Nominal) [Vac]	120/240
Rated AC Power [kW]	48
AC Voltage Range [Vac]	211 ~ 264
AC Frequency (Nominal) [Hz]	60
AC Frequency Range [Hz]	57 ~ 63
Microgrid Interconnection Device Rated Current [A]	200
Short-Circuit Breaking Capacity [kA]	22
Grid Disconnection Switchover Time [ms]	<20

EXTERNAL CONNECTION

Solar terminal [A]	80
FOX Inverter [A]	80
Smart Circuits 1 (240V) [A]	80
Smart Circuit 2, 3 (120V) [A]	80
Non-Backup Load [A]	200
Backup Load Terminal [A]	200
Busbar Rating [A]	280

GENERATOR (OPTIONAL)

Maximum Rated AC Power [kW]	48
AC Voltage Range [Vac]	211 ~ 264
Maximum Continuous Input Current [A _{dc}]	200
Dry Contact Switch Voltage Rating [Vac/Vdc]	250/30
Dry Contact Switch Current Rating [A]	0.5(250Vac) / 3(30Vdc)
2-wire Start Switch	Yes

ADDITIONAL FEATURES

Maximum Number of Inverter	4
Communication	CAN, RS485
Energy Meter (for Import/Export) [%]	0.5 accuracy

STANDARD COMPLIANCE

Safety	UL67, UL869A, UL916, UL1741, CSA22.2 NO.107
Emissions	FCC part 15 class B

INSTALLATION SPECIFICATIONS

Dimensions (H*W*D) [inch/mm]	26.2*17.4*6.2 / 665*443*156.6
Weight [lbs/kg]	37.4 / 17
Supported Inverters	FOX US Series
Grid Conduit Size / AWG Range	2.5"Conduits / 6AWG - 250kcmil
Generator Input Conduit Size / AWG Range	2.5"Conduits / 6AWG - 250kcmil
Communication Conduit Size / AWG Range	1"Conduits / 24AWG - 16AWG
Cooling	Natural convection
Noise [dB]	<35
Operating Temperature Range [°F/°C]	-4 ~ +122 / -20 ~ +50
Protection Rating	Type 3R
Warranty [year]	12.5