



# PowerQ

ALL-IN-ONE RESIDENTIAL ENERGY STORAGE SYSTEM



11.4kW/20kWh



## FLEXIBILITY

Modular design to meet various backup scenarios.



## EASY INSTALLATION

Integrated configuration, plug and play set-up.



## TYPE 4X

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



## REMOTE MONITORING

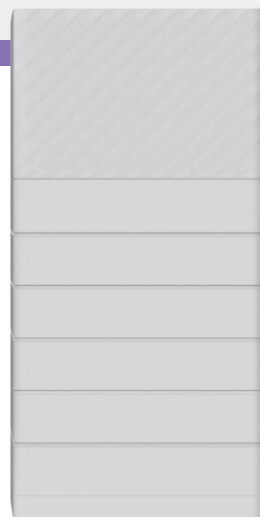
Monitor your system remotely via smartphone app or web portal.

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.

3.8kW ...>> 11.4kW



For more information about the Fox ESS range, visit  
[us.fox-ess.com](http://us.fox-ess.com)



# TECHNICAL SPECIFICATIONS

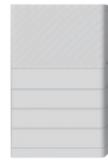
## Fox ESS PowerQ

2 Battery Modules



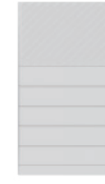
USIH-3.8-EQL2

3 Battery Modules



USIH-3.8-EQL3

4 Battery Modules



USIH-3.8-EQL4

5 Battery Modules



USIH-3.8-EQL5

### ENERGY STORAGE

Total energy [kWh]	7.94	11.91	15.88	19.85
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### 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
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
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
[mm]	570*848*380	570*986*380	570*1124*380	570*1262*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

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

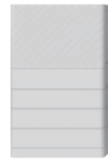
## Fox ESS PowerQ

2 Battery Modules



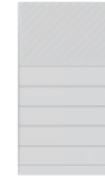
USIH-5.7-EQL2

3 Battery Modules



USIH-5.7-EQL3

4 Battery Modules



USIH-5.7-EQL4

5 Battery Modules



USIH-5.7-EQL5

### ENERGY STORAGE

Total energy [kWh]	7.94	11.91	15.88	19.85
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### 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
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
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
[mm]	570*848*380	570*986*380	570*1124*380	570*1262*380
Weight [lb/kg]	Inverter			
	112.44 / 51			
	Battery module			
	81.35 / 36.9			
	Base			
	7.72 / 3.5			
	282.9 / 128.3	364.2 / 165.2	445.6 / 202.1	526.9 / 239

Enclosure rating	Type 4X
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Operation temperature range [°F/°C]	14 ~ +131 / -10 ~ +55 (Derating above 104 / 40)
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Relative humidity [%]	0 ~ 100 (No Condensation)
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Typical noise emission [dB]	<35
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Max. operation altitude [ft/m]	6,560 / 2000
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Internal Consumption at Night [W]	<25
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Cooling Method	Natural convection
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Scalability	4
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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
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Mounting	Ground mount
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Display	LED, App, Website
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Communication	WiFi, 4G, LAN
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Interface	CAN2.0, RS485, Meter, CT, ISO alarm, SUNSPEC
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Warranty [year]	12.5
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# TECHNICAL SPECIFICATIONS

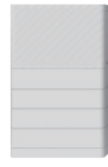
## Fox ESS PowerQ

2 Battery Modules



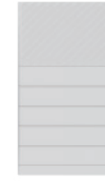
USIH-7.6-EQL2

3 Battery Modules



USIH-7.6-EQL3

4 Battery Modules



USIH-7.6-EQL4

5 Battery Modules



USIH-7.6-EQL5

### ENERGY STORAGE

Total energy [kWh]	7.94	11.91	15.88	19.85
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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
Max. Continuous current [A]				31.7
Nominal Frequency [Hz]				60
Load Start Capacity [A] LRA	48	72	96	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
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
[mm]	570*848*380	570*986*380	570*1124*380	570*1262*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

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
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Scalability				4
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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
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Mounting				Ground mount
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Display				LED, App, Website
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Communication				WiFi, 4G, LAN
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Interface				CAN2.0, RS485, Meter, CT, ISO alarm, SUNSPEC
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Warranty [year]				12.5
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# TECHNICAL SPECIFICATIONS

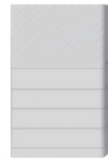
## Fox ESS PowerQ

2 Battery Modules



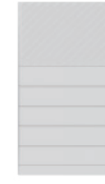
USIH-9.6-EQL2

3 Battery Modules



USIH-9.6-EQL3

4 Battery Modules



USIH-9.6-EQL4

5 Battery Modules



USIH-9.6-EQL5

### ENERGY STORAGE

Total energy [kWh]	7.94	11.91	15.88	19.85
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### AC OUTPUT

Max. Continuous power [kW]				9.6
Max. Output power Without PV [kW]	5.76	8.64	9.6	9.6
Max. Continuous current [A]				40
Nominal Frequency [Hz]				60
Load Start Capacity [A] LRA	48	72	96	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
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
[mm]	570*848*380	570*986*380	570*1124*380	570*1262*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

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

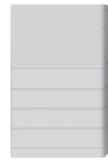
## Fox ESS PowerQ

2 Battery Modules



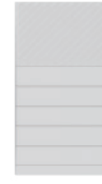
USIH-11.4-EQL2

3 Battery Modules



USIH-11.4-EQL3

4 Battery Modules



USIH-11.4-EQL4

5 Battery Modules



USIH-11.4-EQL5

### ENERGY STORAGE

Total energy [kWh]	7.94	11.91	15.88	19.85
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### AC OUTPUT

Max. Continuous power [kW]				11.4
Max. Output power Without PV [kW]	5.76	8.64	11.4	11.4
Max. Continuous current [A]				47.5
Nominal Frequency [Hz]				60
Load Start Capacity [A] LRA	48	72	96	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
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
[mm]	570*848*380	570*986*380	570*1124*380	570*1262*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

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

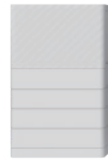
## Fox ESS PowerQ

2 Battery Modules



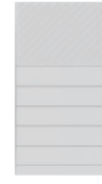
USIAC-3.8-EQL2

3 Battery Modules



USIAC-3.8-EQL3

4 Battery Modules



USIAC-3.8-EQL4

5 Battery Modules



USIAC-3.8-EQL5

### ENERGY STORAGE

Total energy [kWh]	7.94	11.91	15.88	19.85
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### 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
Imbalance for Split-Phase Loads [%]	100			
CEC efficiency	95.5			

### GENERAL DATA

Hybrid inverter Qty	1			
Battery modules Qty	2	3	4	5
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
[mm]	570*848*380	570*986*380	570*1124*380	570*1262*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

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

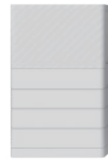
## Fox ESS PowerQ

2 Battery Modules



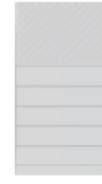
USIAC-5.7-EQL2

3 Battery Modules



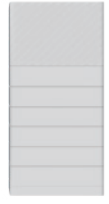
USIAC-5.7-EQL3

4 Battery Modules



USIAC-5.7-EQL4

5 Battery Modules



USIAC-5.7-EQL5

### ENERGY STORAGE

Total energy [kWh]	7.94	11.91	15.88	19.85
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### 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
Imbalance for Split-Phase Loads [%]	100			
CEC efficiency	96.5			

### GENERAL DATA

Hybrid inverter Qty	1			
Battery modules Qty	2	3	4	5
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
[mm]	570*848*380	570*986*380	570*1124*380	570*1262*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

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

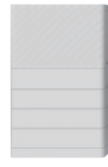
## Fox ESS PowerQ

2 Battery Modules



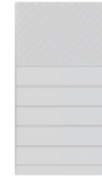
USIAC-7.6-EQL2

3 Battery Modules



USIAC-7.6-EQL3

4 Battery Modules



USIAC-7.6-EQL4

5 Battery Modules



USIAC-7.6-EQL5

### ENERGY STORAGE

Total energy [kWh]	7.94	11.91	15.88	19.85
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### AC OUTPUT

Max. Continuous power [kW]	5.76	7.6	7.6	7.6
Max. Continuous current [A]	24	31.7	31.7	31.7
Nominal Frequency [Hz]	60			
Load Start Capacity [A] LRA	48	72	96	110
Imbalance for Split-Phase Loads [%]	100			
CEC efficiency	96.5			

### GENERAL DATA

Hybrid inverter Qty				1
Battery modules Qty	2	3	4	5
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
[mm]	570*848*380	570*986*380	570*1124*380	570*1262*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
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

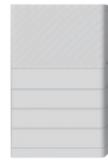
## Fox ESS PowerQ

2 Battery Modules



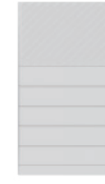
USIAC-9.6-EQL2

3 Battery Modules



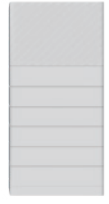
USIAC-9.6-EQL3

4 Battery Modules



USIAC-9.6-EQL4

5 Battery Modules



USIAC-9.6-EQL5

### ENERGY STORAGE

Total energy [kWh]	7.94	11.91	15.88	19.85
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### AC OUTPUT

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

### GENERAL DATA

Hybrid inverter Qty				1
Battery modules Qty	2	3	4	5
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
[mm]	570*848*380	570*986*380	570*1124*380	570*1262*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

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

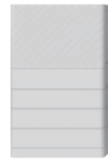
## Fox ESS PowerQ

2 Battery Modules



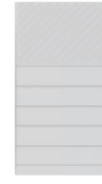
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3 Battery Modules



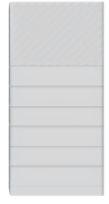
USIAC-11.4-EQL3

4 Battery Modules



USIAC-11.4-EQL4

5 Battery Modules



USIAC-11.4-EQL5

### ENERGY STORAGE

Total energy [kWh]	7.94	11.91	15.88	19.85
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### AC OUTPUT

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

### GENERAL DATA

Hybrid inverter Qty	1			
Battery modules Qty	2	3	4	5
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
[mm]	570*848*380	570*986*380	570*1124*380	570*1262*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
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 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 [Adc]	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