FOX ESS

SERIE US

INVERSOR HÍBRIDO/AC FASE DIVIDIDA

ALTO VOLTAJE

Compatibes con baterías de alto voltaje máxima eficiencia de Ida y vuelta.

FÁCIL INSTALACIÓN

Configuración flexible, modo plug and play.

PROTECCIÓN 4X

Diseñado para durar y brindar la máxima flexibilidad. Apto para instalaciones al aire libre.

MONITOREO REMOTO

Monitorea tu sistema remotamente a través la app o el portal Web.

El revolucionario inversor de almacenamiento de energía de una sola fase está diseñado para satisfacer el mercado estadounidense. Los productos Fox ESS US tienen una amplia capacidad de salida de potencia y hasta cuatro unidades en paralelo, proporcionando una variedad de aplicaciones para todos los clientes.

3,8kW ··· 11,4kW

Para más información sobre la gama Fox ESS, visite:
www.fox-ess.com

TECHNICAL SPECIFICATIONS

AC Inverter Model: Hybrid Inverter Model:	AC1-3.8-US H1-3.8-US	AC1-5.7-US H1-5.7-US	AC1-7.6-US H1-7.6-US	AC1-9.6-US H1-9.6-US	AC1-11.4-US H1-11.4-US
PV INPUT (ONLY FOR HYBRID)					
Max. Solar STC Power [W]	7600	11400	15200	19200	22800
Max. Input Voltage [V]			600		
Start-up Input Voltage [V]			100		
Rated Input Voltage [V]			380		
MPPT Operating Voltage Range [V]			80~550		
MPPT Operating Voltage Range [V] (Full Load)	204~500	204~500	271~500	257~500	305~500
Max. Input Current [A]		28 / 14		28 / 14 / 14	
Max. Short-circuit Current [A]		44 / 22		44 / 22 / 22	
No. of Independent MPP Trackers		2		3	
No. of Strings per MPP Tracker		2 / 1		2 / 1 / 1	
BATTERY CONNECTION					
Battery Type			Lithium Battery (LFP)		
Battery Voltage Range [V]			85~460		
Rated Battery Voltage [V]			360		
Max. Continuous Charge / Discharge Current [A]			50		
Max. Continuous Charge / Discharge Power [W] (for H1)	5700/4180	8550/6270	11400/8360	14400/10560	17100/12540
(for AC1)	3800/4180	5700/6270	7600/8360	9600/10560	11400/12540
Max. Discharge Current (60s) [A]			60		
BMS Communication Interface			CAN 2.0		
AC INPUT AND OUTPUT (GRID)					
Max. AC Input Power [VA]	3800	5700	7600	9600	11400
Max. AC Input Current [A]	16	24	32	40	48
Input Voltage Range [V]			211~264		
Input Frequency Range [Hz]			57~63		
Rated Output Power [W]	3800	5700	7600	9600	11400
Max. Output Apparent Power [VA]	3800	5700	7600	9600	11400
Rated Output Current [A]	15.8	23.8	31.7	40.0	47.5
Max. Output Current [A]	15.8	23.8	31.7	40.0	47.5
Rated Grid Voltage [V]			240 (211~264)		
Rated Grid Frequency [Hz]			57~63		
Power Factor			>0.99 (Adjustable from 0.8 leading to 0.8 lagging)		
THDi [%]			<3 @rated power		
AC OUTPUT (BACKUP)					
Rated Output Power [W]	3800	5700	7600	9600	11400
Rated output power @different batteries [W]	3800 @H2 Battery 3800 @H3 Battery 3800 @H4 Battery 3800 @H5 Battery 3800 @H6 Battery 3800 @H7 Battery	5700 @H2 Battery 5700 @H3 Battery 5700 @H4 Battery 5700 @H5 Battery 5700 @H6 Battery 5700 @H7 Battery	5760 @H2 Battery 7600 @H3 Battery 7600 @H4 Battery 7600 @H5 Battery 7600 @H6 Battery 7600 @H7 Battery	5760 @H2 Battery 8640 @H3 Battery 9600 @H4 Battery 9600 @H5 Battery 9600 @H6 Battery 9600 @H7 Battery	5760 @H2 Battery 8640 @H3 Battery 11400 @H4 Battery 11400 @H5 Battery 11400 @H6 Battery 11400 @H7 Battery
Max. Output Apparent Power [VA]	4180	6270	8360	10560	12540
Peak Output Apparent Power (10min) [VA]	4560	6840	9120	11520	13680
Peak Output Apparent Power (60s) [VA]	5130	7695	10260	12960	15390
Max. Continuous Output Current [A]	17.4	26.1	34.8	44.0	52.3
LRA [A]			110		
Rated Output Voltage [V]			120 / 240		
Rated Output Frequency [Hz]			60		
Load Start Capacity [A] LRA	48 @H2 Battery 72 @H3 Battery 96 @H4 Battery 110 @H5 Battery 110 @H6 Battery 110 @H7 Battery	48 @H2 Battery 72 @H3 Battery 96 @H4 Battery 110 @H5 Battery 110 @H6 Battery 110 @H7 Battery	48 @H2 Battery 72 @H3 Battery 96 @H4 Battery 110 @H5 Battery 110 @H6 Battery 110 @H7 Battery	48 @H2 Battery 72 @H3 Battery 96 @H4 Battery 110 @H5 Battery 110 @H6 Battery 110 @H7 Battery	48 @H2 Battery 72 @H3 Battery 96 @H4 Battery 110 @H5 Battery 110 @H6 Battery 110 @H7 Battery
THDv (Linear Load) [%]			<3 @rated power		
Imbalance for Split-Phase Loads [%]			100		
EFFICIENCY					
CEC Efficiency [%]			97.00		
Max. Efficiency [%]			97.60		
Max. Battery Discharge Efficiency (BAT to AC) (@full load, 340Vdc) [%]			97.40		
PROTECTION					
Insulation Monitoring			YES		
Residual Current Monitoring			YES		
DC Reverse Polarity Protection			YES		
Anti-islanding Protection			YES		
AC Short-circuit Protection			YES		
AC Overcurrent / Overvoltage Protection			YES		
DC Switch			YES		
SPD			DC: Type II / AC: Type II		
AFCI			YES		
GENERAL DATA					
Dimensions (W*H*D) [inch]			18.2*25.9*9.2 (462*658*234.5mm)		
Weight [lbs]			83.8 (38kg)		
Installation			Wall-mounted		
Topology			Transformerless		
Cooling Method			Natural convection		
Noise Emission [dB]			<35		
Max. Operating Altitude [ft]			9843 (3000 m), derating above 6560 (2000 m)		
Operating Temperature Range [°F]			-13 ~ +140 (-25°C ~ +60°C), derating above 104 (40°C)		
Humidity [%]			0 ~ 100 (No Condensation)		
Protection Degree			Type 4X		
Standby consumption [W]			<25		
Maximum number of Inverters (Parallel)			4		
Monitoring Module			WiFi, LAN		
Communication			CAN2.0, RS485, Meter, CT, ISO alarm, SUNSPEC		
Display			LED, App, Website		
Warranty [Year]			12.5		
STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)					
Safety			UL1741 SA, UL 1741 SB, UL1741 CRD, HECO SRD-V2.0, CSA C22.2 No.107.1-16, UL1998, UL1699B, Rule 21		
EMC			FCC part15 CLASS B		
Grid Regulation			IEEE1547-2018, IEEE1547a-2020, IEEE1547.1-2020		