



H3 Plus

THREE-PHASE **HYBRID INVERTER**



LONG BACK UP CAPABILITY

More than 6 hours backup power available.



EPS FUNCTION

Less than 20ms switch time.



HIGH PERFORMANCE

Supports 100% unbalanced three-phase output.



DISPLAY

Color LCD screen.



Advanced System Monitoring
with **FoxCloud V2.0**

Fox ESS H3 Plus is a state-of-the-art hybrid inverter models designed for maximum efficiency and reliability. With outstanding specifications and advanced features it is a market changer in commercial applications.

80kW ...>> 150kW



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



TECHNICAL SPECIFICATIONS

MODEL	H3-80-Plus-US-H	H3-100-Plus-US-H	H3-125-Plus-US-H	H3-150-Plus-US-H
PV INPUT				
Max. Array Power [kW]	160	200	250	272
Max. Input Power [kW]	160	200	250	272
Withstand Voltage [V]			1000	
Input Voltage Range [V]		180 ~ 950		
Max. MPPT Input Current [A]		40		
Max. MPPT Short Circuit Current [A]		50		
MPPT Voltage Range [V]		180 ~ 850		
Start-up Voltage [V]		180		
No. of MPP Trackers		8		
Strings per MPP Tracker		2		
BATTERY SPECIFICATION				
Battery Type		LFP (LiFePO ₄)		
Voltage Range [V]		180 ~ 950		
Max. Charging/Discharging Current [A]		240 (80+80+80)		
Battery Port		3		
Communication		CAN*3		
AC OUTPUT (GRID)				
Nominal AC Power [kW]	80	100	125	150
Max. AC Output Power [kVA]	80	100	125	150
Nominal AC Output Current [A]	96.2	120.3	150.4	180.4
Max. AC Output Current [A]	96.2	120.3	150.4	180.4
Nominal AC Voltage [V]		480, 3W+N+PE or 3W+PE		
Nominal AC Frequency [Hz]		50/60		
Frequency Range [Hz]		45 ~ 55 / 55 ~ 65		
Power Factor		0.8 Leading ~ 0.8 Lagging		
Max. THDi [%]		<3 @Rated Power		
AC INPUT (GRID/GENERATOR)				
Max. AC Input Power [kW]		249.4		
Max. Bypass Current [A]		300		
Nominal AC Voltage [V]		480, 3W+N+PE or 3W+PE		
Frequency Range [Hz]		50/60, ±5		
EPS OUTPUT (LOAD)				
Max. AC Output Power [kVA]	80	100	125	150
Peak AC Output Power [kW] (10s)		187		
LRA Current [A]		300		
Nominal AC Voltage [V]		480, 3W+N+PE or 3W+PE		
Nominal AC Frequency [Hz]		50/60		
Switching Time [ms]		<20		
THDv [%]		<3 @Rated Power		
EFFICIENCY				
CEC Efficiency [%]		97.6		
Max. Efficiency [%]		98.2		
PROTECTION				
DC Input Switch		Yes		
Battery Reverse Polarity		Yes		
PV Reverse Polarity		Yes		
AC Overcurrent Protection		Yes		
AC Output Short Circuit Protection		Yes		
AC/DC Surge Protection		Class II		
ISO Detection		Yes		
Residual Current Detection		Yes		
Ground Fault Detection		Yes		
AFCI		Yes		
Terminal Overtemperature Protection		Yes		
String Current Detection		Yes		
GENERAL SEPECIFICATION				
Dimensions (W*H*D) [in / mm]		28.74*41.73*12.01 / 730*1060*305		
Weight [lbs / kg]		264.6 / 120		
Operating Temperature [°F / °C]		-22 ~ 140 / -30 ~ 60		
Cooling Method		Smart Air Cooling		
Operating Altitude [ft / m]		6561 / 2000		
Humidity [%]		0 ~ 100		
Noise [dB]		<70		
Standby Consumption [W]		<60		
DC-Link EV Charger Ready [kW]		20 ~ 50		
Ingress Protection (IP) Rating		NEMA 4X		
Topology		Non-Isolation		
Display		LED, LCD, Wi-Fi+APP		
Communication Ports		USB / RS485 / Bluetooth / Wi-Fi+LAN / 4G(Optional) / CAN		