



H3 Plus

THREE-PHASE **HYBRID INVERTER**



LONG BACK UP CAPABILITY

More than 3 hours backup power available.



EPS FUNCTION

Less than 10ms switch time.



HIGH EFFICIENCY

Ensuring optimal energy conversion and minimal losses.



FLEXIBLE APPLICATION

With power range and battery configuration to suit different project requirements.



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.

50kW ...>> 125kW



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



TECHNICAL SPECIFICATIONS

MODEL	H3-50-Plus	H3-60-Plus	H3-75-Plus	H3-80-Plus	H3-100-Plus	H3-125-Plus
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					
PV SPECIFICATION						
Max. PV Array Power [kW]	100	120	150	160	200	250
Max. PV Input Power [kW]	100	120	150	160	200	250
Withstand Voltage [V]	1000					
Nominal DC Operating Voltage [V]	750					
Input Voltage Range [V]	180 ~ 950					
Start up Voltage [V]	180					
MPPT Voltage Range [V]	180 ~ 850					
MPPT No. / String per MPPT	4/2	4/2	8/2	8/2	8/2	8/2
Max. Current per MPPT [A]	40					
Max. Short Circuit Current per MPPT [A]	55					
AC OUTPUT						
Nominal AC Power [W]	50000	60000	75000	80000	100000	125000
Max. AC Output Power [VA]	55000	66000	82500	88000	110000	137500
Max. AC Output Current (Per Phase) [A]	83.6	100.3	125.4	133.7	167.2	198.5
Nominal AC Voltage [V]	380/400, 3W+N+PE or 3W+PE					
AC Voltage Range [Un]	0.8 ~ 1.2					
Nominal AC Frequency [Hz]	50/60					
Frequency Range [Hz]	50/60, ±5					
Power Factor	0.8 Leading ~ 0.8 Lagging					
Max. THDi [%]	<3 @Rated Power					
AC INPUT						
Max. AC Input Power [VA]	207000					
Max. Bypass Current [A]	300					
Nominal AC Voltage [V]	380/400, 3W+N+PE or 3W+PE					
Frequency Range [Hz]	50/60, ±5					
EPS OUTPUT (LOAD)						
Max. AC Output Power [VA]	55000	66000	82500	88000	110000	137500
Peak AC Output Power [VA] (10s)	155000					
LRA Current [A]	300					
Nominal AC Voltage [V]	380/400, 3W+N+PE or 3W+PE					
Nominal AC Frequency [Hz]	50/60					
Switching Time [ms]	<10					
Max. THDv [%]	<3 @Rated Power					
EFFICIENCY						
European 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) [mm]	730*990*305					
Weight [kg]	105	105	115	115	115	115
Operating Temperature [°C]	-30 ~ 60					
Cooling Method	Smart Air Cooling					
Operating Altitude [m]	4000					
Humidity [%]	0 ~ 100					
Noise [dB]	<70					
Standby Consumption [W]	<60					
DC-Link EV Charger Ready [kW]	20 ~ 50					
Ingress Protection (IP) Rating	IP65					
Topology	Non-Isolation					
Display	LED, Wi-Fi+APP					
Communication Ports	USB / RS485 / Bluetooth / Wi-Fi+LAN / 4G(Optional) / CAN					