



# 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 ...>> 100kW



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



## TECHNICAL SPECIFICATIONS

MODEL	H3-50-Plus	H3-60-Plus	H3-80-Plus	H3-100-Plus
BATTERY SPECIFICATION				
Battery Type	LFP			
Voltage Range [V]	180~ 1000			
Max. Charging/Discharging Current [A]	80+80+80			
Battery Port	3			
Cmmunication	CAN/RS485			
DC SPECIFICATION				
Max. DC Array Power [kW]	100	120	160	200
Max. DC Input Power [kW]	80	96	128	160
Max. DC Voltage [V]	1000			
Start up Voltage [V]	200			
MPPT Voltage Range [V]	200 ~ 1000			
Nominal Voltage	650			
MPPT No. / String per MPPT	4/2	4/2	6/2	8/2
MPPT Max. Iop [A]	40			
MPPT Max. Isc [A]	55			
AC SPECIFICATION				
Nominal AC Output [kW]	50	60	80	100
Max. AC Output [kVA]	55	66	88	110
Nominal AC Output Current [A]	76.0@380V	91.2@380V	121.6@380V	152@380V
	72.2@400V	86.6@400V	115.5@400V	144.4@400V
Max. AC Output Current [A]	83.6@380V	100.3@380V	133.7@380V	167.2@380V
	79.4@400V	95.3@400V	127.0@400V	158.8@400V
Max. Bypass Current [A]	270			
Nominal AC Voltage [V]	380/400, 3W+N+PE			
AC Output Voltage Range [Un]	0.8 ~ 1.2			
Nominal AC Input Frequency [Hz]	50/60			
Frequency Range [Hz]	45 ~ 55 / 55 ~ 65			
Power Factor	0.8 Leading ~ 0.8 Lagging			
Max. THD [%]	<3			
DC Injection Current [%]	0.5			
On/off grid Switch Time [ms]	<10			
Off-grid	1.5 time rated output @10s			
Umbalance Load [%]	100 Umbalance			
Max. THD (Off-grid) [%]	<3 (Linear Load)			
EFFICIENCY				
Euro Efficiency [%]	97.2			
Max. Efficiency [%]	98.2			
PROTECTION				
DC Input Switch	Support			
Battery Reverse Polarity	Support			
PV Reverse Polarity	Support			
AC Over Current Protection	Support			
AC Output Short Circuit Protection	Support			
DC SPD Protection	Class II			
AC SPD Protection	Class II			
Anti-PID	Support			
ISO Detection	Support			
Residual Current Detection	Support			
Ground Fault Detection	Support			
AFCI	Optional			
String Current Detection	Support			
String Monitoring	Support			
GENERAL SEPECIFICATION				
Dimenaion (W*H*D) [mm]	700*950*400			
Weight [kg]	110			
Working Temperature [°C]	-30 ~ 60			
Cooling Method	Smart Air Cooling			
Working Altitude [m]	4000			
Humidity [%]	0 ~ 100			
Noise [dB]	<70			
Night Consumption [W]	<60			
IP Rating	IP65			
Topology	Non-Isolation			
Display	LED,Wi-Fi+APP			
Communication Ports	USB / RS485 / Bluetooth / Wi-Fi+LAN / 4G(Optional) / CAN			