



H3 Plus

THREE-PHASE **HYBRID INVERTER**



LONG BACK UP CAPABILITY

More than 6 hours backup power available.



EPS FUNCTION

Less than 10ms switch time.



DISPLAY

Color LCD screen.



REMOTE MONITORING

Monitor your system remotely via smartphone app or web portal.



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:
au.fox-ess.com

TECHNICAL SPECIFICATIONS

MODEL	H3-50-Plus	H3-60-Plus	H3-75-Plus	H3-80-Plus	H3-100-Plus	H3-125-Plus
PV INPUT						
Max. Array Power [kW]	100	120	150	160	200	250
Max. Input Power [kW]	100	120	150	160	200	250
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	4	4	8	8	8	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)						
Rated AC Output Apparent Power [kVA]	50	60	75	80	100	125
Max. AC Output Power [kVA]	55	66	82.5	88	110	137.5
Rated AC Output Current (Per Phase) [A]	72.2	86.6	108.3	115.5	144.4	180.4
Max. AC Output Current (Per Phase) [A]	83.6	100.3	125.4	133.7	167.2	198.5
Nominal AC Voltage [V]				230/400, 3L+N+PE		
Nominal AC Frequency [Hz]				50		
Power Factor				0.8 Leading ~ 0.8 Lagging		
THDi [%]				<3 @Rated Power		
AC INPUT (GRID/GENERATOR)						
Max. AC Input Power [kVA]				207		
Max. Apparent Power [kVA]				207		
Max. AC Input Current [A]*				300		
Nominal AC Voltage [V]				230/400, 3L+N+PE		
Nominal AC Frequency [Hz]				50		
EPS OUTPUT (LOAD)						
Rated AC Output Apparent Power [kVA]	50	60	75	80	100	125
Max. AC Output Apparent Power [kVA]	55	66	82.5	88	110	137.5
Peak AC Output Power [kVA] (10s)				155		
Rated AC Output Current (Per Phase) [A]	72.2	86.6	108.3	115.5	144.4	180.4
Max. AC Output Current (Per Phase) [A]	83.6	100.3	125.4	133.7	167.2	198.5
Nominal AC Voltage [V]				230/400, 3L+N+PE		
Nominal AC Frequency [Hz]				50		
Switching Time [ms]				<10		
THDv [%]				<3 @Rated Power		
EFFICIENCY						
European Efficiency [%]				98.1		
Max. Efficiency [%]				98.5		
PROTECTION						
DC Input Switch				GHX5-32P		
Battery Reverse Polarity				Yes		
PV Reverse Polarity				Yes		
AC Overcurrent Protection				Yes		
AC Output Short Circuit Protection				Yes		
AC/DC Surge Protection				Class II		
Anti-Islanding Protection				Active Frequency Drift with Positive Feedback		
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*1060*305		
Weight [kg]	110	110	120	120	120	120
Operating Temperature [°C]				-30 ~ 60		
Cooling Method				Smart Air Cooling		
Operating Altitude [m]				3000		
Humidity [%]				0 ~ 100		
Noise [dB]				<70		
Standby Consumption [W]				<60		
Ingress Protection (IP) Rating				IP65		
Topology				Non-Isolation		
Display				LED, LCD, Wi-Fi+APP		
Communication Ports				USB / RS485 / Bluetooth / Wi-Fi+LAN / 4G(Optional) / CAN		
MANUFACTURE						
Country of Manufacturer				China		

* Max. AC Input Current = Max. AC Input Continuous Current