



P3 PLUS

THREE-PHASE **HYBRID INVERTER**



LONG BACK UP CAPABILITY

More than 6 hours backup power available.



EPS FUNCTION

Less than 10ms switch time.



HIGH PERFORMANCE

Supports 100% unbalanced three-phase output.



DISPLAY

Color LCD screen.

60kW ...➡➡➡ 125kW



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

Fox ESS P3 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.



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



TECHNICAL SPECIFICATIONS

MODEL	P3-60-Plus	P3-100-Plus	P3-125-Plus
PV INPUT			
Max. Array Power [kW]	120	200	250
Max. Input Power [kW]	120	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	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			
Nominal AC Power [kW]	60	100	125
Max. AC Output Power [kVA]	66	110	137.5
Rated AC Output Current (Per Phase) [A]	91.2	152.0	190.0
Max. AC Output Current (Per Phase) [A]	100.3	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	
THDi [%]		<3 @Rated Power	
AC INPUT			
Max. AC Input Power [kVA]		207	
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 [kVA]	66	110	137.5
Peak AC Output Power [kVA] (10s)		155	
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	
THDv [%]		<3 @Rated Power	
EFFICIENCY			
European Efficiency [%]		98.1	
Max. Efficiency [%]		98.5	
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*1060*305	
Weight [kg]	115	120	120
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, LCD, Wi-Fi+APP	
Communication Ports		USB / RS485 / Bluetooth / Wi-Fi+LAN / 4G(Optional) / CAN	