

H3 Plus

THREE-PHASE HYBRID INVERTER

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.



37.5kW ...➡➡ 70kW



Advanced System Monitoring
with **FoxCloud 2.0**



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.

TECHNICAL SPECIFICATIONS

MODEL		H3-37.5-Plus-US-L	H3-50-Plus-US-L	H3-60-Plus-US-L	H3-70-Plus-US-L
PV INPUT					
Max. Array Power [kW]		75	100	120	140
Max. Input Power [kW]		75	100	120	140
Withstand Voltage [V]				900	
Input Voltage Range [V]				180 ~ 850	
Max. MPPT Input Current [A]				40	
Max. MPPT Short Circuit Current [A]				50	
MPPT Voltage Range [V]				180 ~ 700	
Start-up Voltage [V]				180	
No. of MPP Trackers		4	4	8	8
Strings per MPP Tracker				2	
BATTERY SPECIFICATION					
Battery Type				LFP (LiFePO ₄)	
Voltage Range [V]				180 ~ 700	
Max. Charging/Discharging Current [A]				240 (80+80+80)	
Battery Port				3	
Communication				CAN*3	
AC OUTPUT (GRID)					
Nominal AC Power [kW]		37.5	50	60	70
Max. AC Output Power [kVA]		37.5	50	60	70
Nominal AC Output Current [A]	208V	104.1	138.8	166.6	194.3
	220V	98.4	131.2	157.5	183.7
	240V	90.2	120.3	144.3	168.4
Max. AC Output Current [A]	208V	104.1	138.8	166.6	194.3
	220V	98.4	131.2	157.5	183.7
	240V	90.2	120.3	144.3	168.4
Nominal AC Voltage [V]				208/220/240, 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]				124.7	
Max. Bypass Current [A]				300	
Nominal AC Voltage [V]				208/220/240, 3W+N+PE or 3W+PE	
Frequency Range [Hz]				50/60, ±5	
EPS OUTPUT (LOAD)					
Max. AC Output Power [kVA]		37.5	50	60	70
Peak AC Output Power [kW] (10s)				93.5	
LRA Current [A]				300	
Nominal AC Voltage [V]				208/220/240, 3W+N+PE or 3W+PE	
Nominal AC Frequency [Hz]				50/60	
Switching Time [ms]				<10	
THDv [%]				<3 @Rated Power	
EFFICIENCY					
CEC Efficiency [%]				97.1	
Max. Efficiency [%]				97.7	
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]		253.5 / 115	253.5 / 115	264.6 / 120	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	