



H1(G2)

SINGLE-PHASE **HYBRID INVERTER**



3kW ...>> 6kW



HIGH VOLTAGE

Includes high-voltage batteries for maximum round-trip efficiency.



EASY INSTALLATION

Flexible configuration, plug and play set-up, built-in fuse protection.



IP65 RATED

Engineered to last with maximum flexibility. Suitable for outdoor installation.



REMOTE MONITORING

Monitor your system remotely via smartphone app or web portal.



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

REFINED – POWERFUL – FLEXIBLE

Harness the power of the sun day and night with the ground-breaking range of Hybrid inverter from Fox ESS. Full of advanced features and compatible with our very own range of high-voltage batteries, the hybrid range from Fox ESS.



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



TECHNICAL SPECIFICATIONS

MODEL	HI-3.0-E-G2	HI-6.0-E-G2
INPUT PV (ONLY FOR HYBRID)		
Max. Array Power [Wp]	6000	12000
Max. DC Input Power (PV1+PV2) [W]	6000	12000
Max. MPPT Input Power (Per MPPT) [W]	6000	
Max. Input Voltage [V]	600	
Start-up Input Voltage [V]	75	
Rated Input Voltage [V]	360	
MPPT Operating Voltage Range [V]	80 ~ 550	
Max. Input Current [A]	16/16	
Max. Short-circuit Current [A]	20/20	
No. of MPP Trackers	2	
Strings per MPP Tracker	1	
BATTERY CONNECTION		
Battery Type	Lithium Battery (LFP)	
Battery Voltage [V]	80 ~ 480	
Max. Charge/Discharge Current [A]	40	
Communication Interface	CAN(communicate with inverter, upgrade BMS)	
AC INPUT AND OUTPUT (GRID)		
Max. AC Input Power [VA]	6000	12000
Max. AC Input Current (per phase) [A]	27.3	54.5
Rated Output Power [W]	3000	6000
Max. Output Apparent Power [VA]	3300	6600
Rated Output Current (per phase) [A]	13.6	27.3
Max. Output Current [A]	15.0	30.0
Rated Grid Voltage [V]	220/230/240	
Rated Grid Frequency [Hz]	50/60	
Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)	
THDi [%]	<3 @rated power	
EPS OUTPUT (WITH BATTERY)		
Max. Output Apparent Power [VA]	3000	6000
Peak Output Apparent Power (60s) [VA]	3600	7200
Max. Current (per phase) [A]	13.6	27.3
Rated Output Voltage [V]	220/230/240	
Rated Output Frequency [Hz]	50/60	
Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)	
THDv (Linear Load) [%]	<2 @rated power	
Parallel operation [PCS]	10	
Switch time [ms]	<10	
EFFICIENCY		
European Efficiency [%]	95.26	96.33
Max. Efficiency [%]	97.01	97.08
Max. Battery Charge Efficiency (PV to BAT) (@full load) [%]	98.50	
Max. Battery Discharge Efficiency (BAT to AC) (@full load) [%]	97.00	
PROTECTION		
Insulation Monitoring	YES	
Residual Current Monitoring	YES	
DC Reverse Polarity Protection	YES	
Anti-islanding Protection	YES	
AC Short-circuit Protection	YES	
AC Overcurrent/Overvoltage Protection	YES	
DC Switch	YES	
Battery Wake-up Function	YES	
SPD	DC: Type II /AC: Type III	
AFCI	YES	
GENERAL DATA		
Dimensions (W*H*D) [mm]	434*418*185	
Weight [kg]	22	
Installation	Wall-Mounted	
Topology	Non-isolated	
Cooling Method	Natural	
Noise Emission [dB]	35	
Max. Operating Altitude [m]	2000	
Operating Temperature Range [°C]	-25 ~ 60	
Humidity (No Condensation) [%]	0 ~ 100	
Ingress protection	IP65	
Standby consumption[W]	<15	
Monitoring Module	WiFi, LAN(Optional) , 4G(Optional)	
Communication	RS485, DRM, Ripple Control, USB, CAN, SG Ready	
Display	LCD, App, Website	
STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)		
Safety	EN 62109-1, EN 62109-2	
Grid Regulation	G98, G99, EN50549, AS / NZS 4777.2	

* More technical characteristics are available on demand and customized.