



H1(G2)/AC1(G2)

SINGLE-PHASE HYBRID/AC INVERTER





HIGH VOLTAGE

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



FASY 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 & AC 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



MODEL	H1-3.0-E-G2 AC1-3.0-E-G2	H1-3.7-E-G2 AC1-3.7-E-G2	H1-4.6-E1-G2 AC1-4.6-E1-G2	H1-5.0-E1-G2 AC1-5.0-E1-G2			
NPUT PV (ONLY FOR HYBRID)							
Max. Input Power [W]	4500	5500	6900	7500			
	A:2250 B:2250	A:2750 B:2750	A:3450 B:3450	A:3750 B:3750			
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 Independent MPP Trackers	2						
No. of 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	7680	9200	10000			
Max. AC Input Current (per phase) [A]	27.3	34.9	41.8	45.5			
Rated Output Power [W]	3000	3680	4600	5000			
Max. Output Apparent Power [VA]	3300	4048	4600	5000			
Rated Output Current (per phase) [A]	13.6	16.7	20.9	22.7			
Max. Output Current [A]	15.0	18.4	20.9	22.7			
Rated Grid Voltage [V]	15.0			-2.,,			
Rated Grid Frequency [Hz]	220/230/240 50/60						
1 11 1	1 (Adjustable from 0.8 leading to 0.8 lagging)						
Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging) <3 @rated power						
THDI [%]		<s @rate<="" td=""><td>eu power</td><td></td></s>	eu power				
EPS OUTPUT (WITH BATTERY)	3000	3690	4600	E000			
Max. Output Apparent Power [VA]	3000	3680	4600	5000			
Peak Output Apparent Power (60s) [VA]	3600	4400	5500	6000			
Max. Current (per phase) [A]	13.6	16.7	20.9	22.7			
Rated Output Voltage [V]			30/240				
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]	<20						
EFFICIENCY							
Euro Efficiency [%]	95.26	95.70	96.23	96.30			
Max. Efficiency [%]	97.01	97.08	97.04	97.08			
Max. Battery Charge Efficiency		00					
(PV to BAT) (@full load) [%]	98.50						
Max. Battery Discharge Efficiency		07	00				
[BAT to AC) (@full load) [%]		97	.00				
PROTECTION							
nsulation Monitoring		Y	ES				
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						
JC JWILLII	YES						
Rattery Wake-up Function							
		DC-T	/AC: Tupo III	DC: Type II, /AC: Type III Optional			
SPD							
SPD AFCI							
SPD AFCI GENERAL DATA		Opti	ional				
SPD AFCI SENERAL DATA Dimensions (WXHXD) [mm]		Opti	ional 18*185				
SPD AFCI SENERAL DATA Dimensions (WxHxD) [mm] Weight [kg]		Opti 434*4 2	ional 18*185 22				
SPD AFCI SENERAL DATA Dimensions (WxHxD) [mm] Weight [kg] nstallation		Opti 434*4: 2 Wall-M	18*185 12 Jounted				
SPD AFCI SENERAL DATA Dimensions (WxHxD) [mm] Weight [kg] nstallation Topology		Opti 434*4: 2 Wall-M Non-is	ional 18*185 :2 Iounted iolated				
SPD AFCI SENERAL DATA Dimensions (WxHxD) [mm] Weight [kg] nstallation Topology Cooling Method		Opti 434*4: 2 Wall-M Non-is Nat	ional 18*185 :2 Iounted iolated ural				
SPD AFCI SENERAL DATA Dimensions (WxHxD) [mm] Weight [kg] nstallation Topology Cooling Method Noise Emission [dB]		Opti 434*4. 2 Wall-M Non-is Nat 3	ional 18*185 12 Iounted iolated ural				
SPD AFCI SENERAL DATA Dimensions (WxHxD) [mm] Weight [kg] nstallation Topology Cooling Method Noise Emission [dB] Max. Operating Altitude [m]		Opti 434*4. 2 Wall-M Non-is Nat 3	ional 18*185 12 Iounted iolated ural 15				
SPD AFCI SENERAL DATA Dimensions (WxHxD) [mm] Weight [kg] nstallation Topology Cooling Method Noise Emission [dB] Max. Operating Altitude [m]		Opti 434*4. 2 Wall-M Non-is Nat 3	ional 18*185 12 Iounted iolated ural				
SPD AFCI SENERAL DATA Dimensions (WxHxD) [mm] Weight [kg] nstallation Topology Cooling Method Noise Emission [dB] Max. Operating Altitude [m] Deperating Temperature Range [°C]		Opti 434*4. 2 Wall-M Non-is Nat 3 20 -25	ional 18*185 12 Iounted iolated ural 15				
AFCI GENERAL DATA Dimensions (WxHxD) [mm] Weight [kg] Installation Fopology Cooling Method Noise Emission [dB] Max. Operating Altitude [m] Deperating Temperature Range [°C] Humidity (No Condensation) [%]		Opti 434*4. 2 Wall-M Non-is Nat 3 20 -25 0 ~	ional 18*185 12 Iounted Ioulated Iural 15 1000				
SPD AFCI SENERAL DATA Dimensions (WxHxD) [mm] Weight [kg] Installation Fopology Cooling Method Noise Emission [dB] Max. Operating Altitude [m] Deperating Temperature Range [°C] Humidity (No Condensation) [%] Ingress Protection		Opti 434*4. 2 Wall-M Non-is Nat 3 20 -25 0 ~	18*185 12 10unted 10lated 10lated 10lo 100 ~ 60 100				
SPD AFCI SENERAL DATA Dimensions (WXHXD) [mm] Weight [kg] Installation Topology Cooling Method Noise Emission [dB] Max. Operating Altitude [m] Operating Temperature Range [°C] Humidity (No Condensation) [%] Ingress Protection Standby consumption[W]		Opti 434*4. 2 Wall-M Non-is Nat 3 20 -25 0 ~	18*185 10				
AFCI SENERAL DATA Dimensions (WxHxD) [mm] Weight [kg] Installation Fopology Coolling Method Noise Emission [dB] Max. Operating Altitude [m] Diperating Temperature Range [°C] Humidity (No Condensation) [%] Ingress Protection Standby consumption[W] Monitoring Module		Opti 434*4. 2 Wall-M Non-is Nat 3 20 -25 0 ~ IP < WiFi, LAN(option	18*185 10				
AFCI SENERAL DATA Dimensions (WxHxD) [mm] Weight [kg] Installation Copology Cooling Method Noise Emission [dB] Max. Operating Altitude [m] Operating Temperature Range [°C] Humidity (No Condensation) [%] Ingress Protection Standby consumption[W] Monitoring Module Communication		Opti 434*4. 2 Wall-M Non-is Nat 3 20 -25 0 ~ IP WiFi, LAN(option RS485, DRM, Ripple	18*185 12 Iounted Iolated Iural Iol Iol Iol Iol Iol Iol Iol Iol Iol Io				
AFCI SENERAL DATA Dimensions (WxHxD) [mm] Weight [kg] Installation Copology Cooling Method Aloise Emission [dB] Max. Operating Altitude [m] Deperating Temperature Range [°C] Humidity (No Condensation) [%] Ingress Protection Standby consumption[W] Monitoring Module Communication Display		Opti 434*4. 2 Wall-M Non-is Nat 3 20 -25 0 ~ IP WiFi, LAN(option RS485, DRM, Ripple	18*185 10 counted colated cural 15 1000 ~ 60 100 65 15 al), 4G(optional)				
AFCI SENERAL DATA Dimensions (WxHxD) [mm] Weight [kg] Installation Opology Cooling Method Avoise Emission [dB] Max. Operating Altitude [m] Operating Temperature Range [°C] Humidity (No Condensation) [%] Ingress Protection Standby consumption[W] Monitoring Module Communication Display STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)		Opti 434*4: 2 Wall-M Non-is Nat 3 2C -25 0 ~ IP < Wifi, LAN(option RS485, DRM, Ripple LCD, App	ional 18*185 22 Iounted solated ural 155 100 ~ 60 100 65 15 al) , 4G(optional) e Control, USB, CAN , Website				
Battery Wake-up Function SPD AFCI SENERAL DATA Dimensions (WxHxD) [mm] Weight [kg] nstallation Topology Cooling Method Noise Emission [dB] Max. Operating Altitude [m] Deparating Temperature Range [°C] Humidity (No Condensation) [%] Ingress Protection Standby consumption[W] Wonitoring Module Communication Display STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST) Safety EMC		Opti 434*4. 2 Wall-M Non-is Nat 3 20 -25 0 ~ IP WiFi, LAN(option RS485, DRM, Ripple	ional 18*185 12 Iounted iolated ural 15 100 ~ 60 100 65 15 al) , 4G(optional) e Control, USB, CAN , Website EN 62109-2				

^{*} More technical characteristics are avaliable on demand and customized.