

# H1(G2)/AC1(G2)-WL

## SINGLE-PHASE HYBRID/AC INVERTER

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.



2.5kW ...>>> 6kW



Advanced System Monitoring  
with **FoxCloud 2.0**



### HIGH EFFICIENCY

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.
- AI assistant helps better understand and manage your system.



# TECHNICAL SPECIFICATIONS

MODEL	HI-2.5-E-G2-WL ACI-2.5-E-G2-WL	HI-3.0-E-G2-WL ACI-3.0-E-G2-WL	HI-3.7-E-G2-WL ACI-3.7-E-G2-WL	HI-4.0-E-G2-WL ACI-4.0-E-G2-WL	HI-4.6-E-G2-WL ACI-4.6-E-G2-WL	HI-5.0-E-G2-WL ACI-5.0-E-G2-WL	HI-6.0-E-G2-WL ACI-6.0-E-G2-WL
<b>INPUT PV (ONLY FOR HYBRID)</b>							
Max. Array Power [Wp]	5000	6000	7400	8000	9200	10000	12000
Max. DC Input Power (PV1+PV2) [W]	5000	6000	7400	8000	9200	10000	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			
<b>BATTERY CONNECTION</b>							
Battery Type	Lithium Battery (LFP)						
Battery Voltage [V]	80 - 480						
Max. Charge/Discharge Current [A]	40						
Communication Interface	CAN(communicate with inverter, upgrade BMS)						
<b>AC INPUT AND OUTPUT (GRID)</b>							
Max. AC Input Power [VA]	3000	6000	7680	8000	9200	10000	12000
Max. AC Input Current (per phase) [A]	13.6	27.3	34.9	36.4	41.8	45.5	54.5
Rated Output Power [W]	2500	3000	3680	4000	4600	5000	6000
Max. Output Apparent Power [VA]	2750	3300	4048/3680 <sup>1</sup>	4400	5060	5500	6600
Rated Output Current (per phase) [A]	11.4	13.6	16.7/16.0 <sup>1</sup>	18.2	20.9	22.7	27.3
Max. Output Current [A]	12.5	15.0	18.4	20.0	23.0	25.0	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						
<b>EPS OUTPUT (WITH BATTERY)</b>							
Max. Output Apparent Power [VA]	2500	3000	3680	4000	4600	5000	6000
Peak Output Apparent Power (60s) [VA]	3000	3600	4400	4800	5500	6000	7200
Max. Current (per phase) [A]	11.4	13.6	16.7	18.2	20.9	22.7	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						
<b>EFFICIENCY</b>							
European Efficiency [%]	95.26	95.26	95.70	95.90	96.23	96.30	96.33
Max. Efficiency [%]	97.01	97.01	97.08	97.08	97.04	97.08	97.08
Max. Battery Charge Efficiency (PV to BAT) (@full load) [%]	98.50						
Max. Battery Discharge Efficiency (BAT to AC) (@full load) [%]	97.00						
<b>PROTECTION</b>							
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	Optional						
<b>GENERAL DATA</b>							
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						
<b>STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)</b>							
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.  
1. 3680 for G98.