



H1(G2)/AC1(G2)

SINGLE-PHASE **HYBRID/AC INVERTER**



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 & 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.

3kW ...>> 5kW



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



up to
5kW
charge/
discharge

TECHNICAL SPECIFICATIONS

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
INPUT PV (ONLY FOR HYBRID)				
Max. Input Power [W]	4500 A:2250 B:2250	5500 A:2750 B:2750	6900 A:3450 B:3450	7500 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]	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	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]	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]	<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 (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	Optional			
GENERAL DATA				
Dimensions (WxHxD) [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			
Display	LCD, App, Website			
STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)				
Safety	EN 62109-1, EN 62109-2			
EMC	EN 61000-6-2, EN 61000-6-3			
Grid Regulation	C10 / 11			

* More technical characteristics are available on demand and customized.



EP12

BATTERIE DE STOCKAGE HAUTE TENSION



- Évolutif jusqu'à 46,08 kWh
- Profondeur de décharge de 90 %
- Montage au sol ou mural
- Produit compact et installation facile
- Indice de protection IP65
- Haute tension et haute efficacité



SÉCURITÉ
FIABLE



INSTALLATION
FACILE



HAUTE
PERFORMANCE



SYSTÈME
EXTENSIBLE



90%
DOD

L'EP12 est un système de stockage évolutif par batterie qui présente d'excellentes performances, et qui permet une flexibilité maximale, ce qui le rend adapté à une large gamme d'applications de stockage.

Des batteries additionnelles peuvent être ajoutées en parallèle, permettant une capacité de stockage jusqu'à atteindre 46,08 kWh.



Pour en savoir plus sur la gamme de Fox ESS,
visitez:

fr.fox-ess.com



SPÉCIFICATIONS TECHNIQUES

NOM DU SYSTÈME	EP12
MODÈLE	EP12 Plus
CARACTÉRISTIQUES ÉLECTRIQUES	
Compatibilité onduleur	Toutes les séries de H1, KH, H3, H3-Pro, US
Type de batterie	LFP (LiFePO ₄)
Capacité nominale [kWh]	11,52
Tension nominale [V]	384
Tension de fonctionnement [V]	348 ~ 438
Courant de charge/décharge maximum [A] ^{*1}	30
Courant de charge recommandé [A]	15
Courant de décharge de pointe [A]	65 @60s
Courant de charge de pointe [A]	36 @5s
Efficacité de l'autonomie de la batterie [%]	≥95
Profondeur de décharge [%]	90
Durée de vie [cycle]	≥6000
Communication	CAN
Affichage	LED*5
Évolutivité	Max. 4 Unités en parallèle
CONDITIONS DE FONCTIONNEMENT	
Emplacement	Extérieur / Intérieur
Température de fonctionnement [°C]	Charge: 0 ~ 55 Décharge: -10 ~ 55
Température de stockage [°C]	-10 ~ 40
Méthode de refroidissement	Convection Naturelle
Humidité [%]	5 ~ 95 (Sans Condensation)
Altitude [m]	Max. 3000
CARACTÉRISTIQUES MÉCANIQUES	
Dimensions (L*H*P) [mm]	710*640*185
Poids [kg]	98
CERTIFICATS	
Sécurité	IEC62619
CEM	EN IEC 61000-6-1/2/3/4
Transport	UN38.3
Indice de protection	IP65

*1, le courant est affecté par la température, la tension des cellules et le SOC.