



# 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](http://www.fox-ess.com)



up to  
**5kW**  
charge/  
discharge

# TECHNICAL SPECIFICATIONS

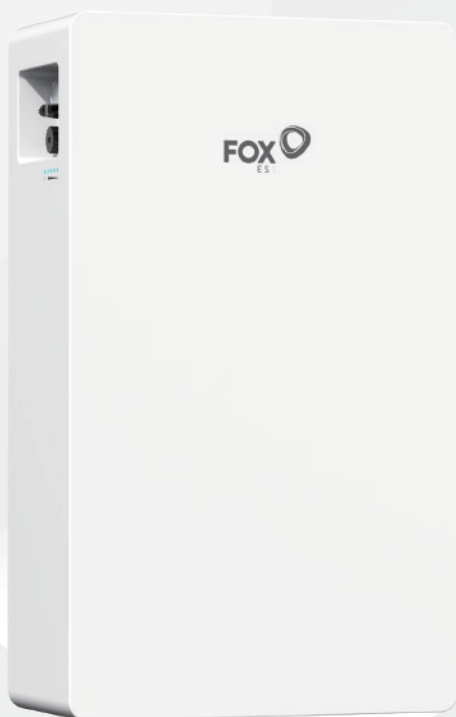
| MODEL                                                             | H1-3.0-E-G2<br>AC1-3.0-E-G2                      | H1-3.7-E-G2<br>AC1-3.7-E-G2 | H1-4.6-E1-G2<br>AC1-4.6-E1-G2 | H1-5.0-E1-G2<br>AC1-5.0-E1-G2 |
|-------------------------------------------------------------------|--------------------------------------------------|-----------------------------|-------------------------------|-------------------------------|
| INPUT PV (ONLY FOR HYBRID)                                        |                                                  |                             |                               |                               |
| Max. Input Power [W]                                              | 4500<br>A:2250 B:2250                            | 5500<br>A:2750 B:2750       | 6900<br>A:3450 B:3450         | 7500<br>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<br>(PV to BAT) (@full load) [%]    | 98.50                                            |                             |                               |                               |
| Max. Battery Discharge Efficiency<br>(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.



# EP6

BATTERIE DE STOCKAGE HAUTE TENSION



- Évolutif jusqu'à 23,04 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

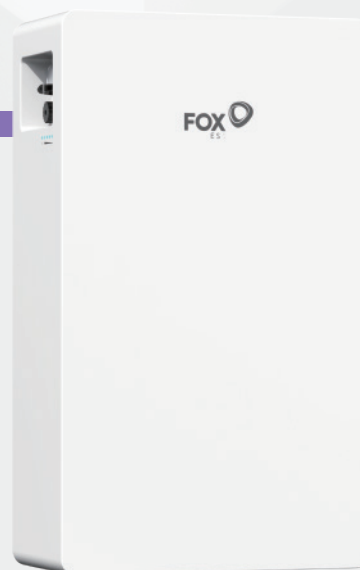
L'EP6 est un système de stockage évolutif par batterie qui présente d'excellentes performances, et qui permet une flexibilité maximale, ce qui le rend adapté à une large gamme d'applications de stockage.

Des batteries additionnelles peuvent être ajoutées en parallèle, permettant une capacité de stockage jusqu'à atteindre 23,04 kWh.



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

[fr.fox-ess.com](http://fr.fox-ess.com)



SPÉCIFICATIONS TECHNIQUES

|                                                      |                                             |
|------------------------------------------------------|---------------------------------------------|
| NOM DU SYSTÈME                                       | EP6                                         |
| MODÈLE                                               | EP6 Plus                                    |
| CARACTÉRISTIQUES ÉLECTRIQUES                         |                                             |
| Compatibilité onduleur                               | Toutes les séries de H1, KH, H3, H3-Pro, US |
| Type de batterie                                     | LFP (LiFePO <sub>4</sub> )                  |
| Capacité nominale [kWh]                              | 5,76                                        |
| Tension nominale [V]                                 | 192                                         |
| Tension de fonctionnement [V]                        | 174 ~ 219                                   |
| Courant de charge/décharge maximum [A] <sup>*1</sup> | 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<br>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]                              | 380*640*185                                 |
| Poids [kg]                                           | 51                                          |
| 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.