



# AIO H3

ALL-IN-ONE ENERGY STORAGE



## 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

The stunning all-in-one storage system from Fox ESS is an advanced energy storage solution contained within one compact and stylish unit. It is suitable for any room in the home or for outdoor installation, not only elegant but also space-saving.

5kW ...>> 10kW



For more information about the Fox ESS range, visit:  
[www.fox-ess.com](http://www.fox-ess.com)



TECHNICAL SPECIFICATIONS

| MODEL  | AIO-H3-5.0    | AIO-H3-6.0   | AIO-H3-8.0          | AIO-H3-10.0   |
|--|---------------|--|---------------------|---------------|
| PV INPUT   |               |  |                     |               |
| Max. Input Power [W]   | A:3000 B:3000 | A:4000 B:4000  | A:6000 B:4000       | A:8000 B:5000 |
| Max. Input Voltage [V]   |               |  | 1000                |               |
| Start-up Input Voltage [V]                                     |               |  | 180                 |               |
| Rated Input Voltage [V]  |               |  | 720                 |               |
| MPPT Operating Voltage Range [V]                               |               |  | 180 ~ 950           |               |
| Max. Input Current [A]   | 14 / 14       | 14 / 14  | 26 / 14             | 26 / 14       |
| Max. Short-circuit Current [A]                                 | 16 / 16       | 16 / 16  | 32 / 16             | 32 / 16       |
| No. of Independent MPP Trackers                                |               |  | 2                   |               |
| No. of Strings per MPP Tracker                                 | 1 / 1         | 1 / 1  | 2 / 1               | 2 / 1         |
| BATTERY CONNECTION   |               |  |                     |               |
| Battery Type   |               | Prismatic Lithium-Iron-Phosphate (LFP)               |                     |               |
| Battery Voltage [V]  |               |  | 180 ~ 234           |               |
| Max. Charge/Discharge Current [A]                              |               |  | 26                  |               |
| Communication Interface  |               | CAN (Communicate with inverter), RS485 (Upgrade BMS) |                     |               |
| Applicable battery module                                      |               |  | Fox ESS HV2600      |               |
| AC INPUT AND OUTPUT (GRID)                                     |               |  |                     |               |
| Max. AC Input Power [VA]                                       | 10000         | 12000  | 16000               | 16000         |
| Max. AC Input Current (per phase) [A]                          | 15.2          | 18.2   | 24.2                | 24.2          |
| Rated Output Power [W]   | 5000          | 6000   | 8000                | 10000         |
| Max. Output Apparent Power [VA]                                | 5500          | 6600   | 8800                | 11000         |
| Rated Output Current (per phase) [A]                           | 7.2           | 8.7  | 11.6                | 14.5          |
| Max. Output Current [A]  | 8.8           | 10.6   | 14.1                | 17.6          |
| Rated Grid Voltage [V]   |               | 3L/N/PE 380/220; 400/230; 415/240                    |                     |               |
| 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]                                | 5000          | 6000   | 8000                | 10000         |
| Peak Output Apparent Power (60s) [VA]                          | 8000          | 8000   | 12000               | 12000         |
| Max. Current (per phase) [A]                                   | 7.2           | 8.7  | 11.6                | 14.5          |
| Rated Output Voltage [V]                                       |               | 3L / N / PE 400 / 230                                |                     |               |
| Rated Output Frequency [Hz]                                    |               |  | 50/60               |               |
| Power Factor   |               | 1 ( Adjustable from 0.8 leading to 0.8 lagging )     |                     |               |
| THDv ( linear Load) [%]  |               |  | <3 @Rated Power     |               |
| Switch time [s]  |               |  | <1.5 (With EPS Box) |               |
| EFFICIENCY   |               |  |                     |               |
| Euro Efficiency [%]  |               |  | 97.00               |               |
| Max. Efficiency [%]  |               |  | 97.80               |               |
| 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 (only for hybrid)                                    |               |  | YES                 |               |
| SPD  |               | DC: Type II, /AC: Type III                           |                     |               |
| GENERAL DATA   |               |  |                     |               |
| Dimensions (W*H*D) [mm]  |               | 630*1662*389   |                     |               |
| Weight [kg]  |               | 97 (Except Batteries)                                |                     |               |
| Installation   |               | Floor-Mounted  |                     |               |
| Topology   |               | Transformerless                                      |                     |               |
| 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, 4G, GPRS (Optional)                       |                     |               |
| Communication  |               | 2*RS485, DRM, Ripple Control, USB                    |                     |               |
| Display  |               | LCD, App, Website                                    |                     |               |
| STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)              |               |  |                     |               |
| Safety   |               | EN 62109-1, EN 62109-2, EN 62477-1                   |                     |               |
| EMC  |               | IEC 61000-6-1, IEC 61000-6-3                         |                     |               |
| Grid Regulation  |               | EN50549-1, C10/11, VDE-AR-N 4105, G98, CEI 0-21      |                     |               |

\* More technical characteristics are available on demand and customized.