



# 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
<b>PV INPUT</b>				
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
<b>BATTERY CONNECTION</b>				
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		
<b>AC INPUT AND OUTPUT (GRID)</b>				
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		
<b>EPS OUTPUT (WITH BATTERY)</b>				
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)		
<b>EFFICIENCY</b>				
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		
<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 (only for hybrid)		YES		
SPD		DC: Type II, /AC: Type III		
<b>GENERAL DATA</b>				
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		
<b>STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)</b>				
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.