

HYBRID

3-PHASE AIO

ALL-IN-ONE ENERGY STORAGE

Fox ESS storage solutions are available with advanced and intuitive app based remote control and monitoring functionality.



Easy Installation

Flexible configuration, plug and play set-up, built-in fuse protection.



High Voltage

Includes high-voltage batteries for maximum round-trip efficiency.



IP65 Rated

Engineered to last with maximum flexibility. Suitable for outdoor installation.



Remote Monitoring

Monitor your system remotely via smartphone app or web portal.



UNBALANCED LOADS SUPPORTED
EPS OPTION

BATTERY EXPANSION EASY UPGRADE



A high-performance, high-efficiency all-in-one system with 10.4kWh of storage capacity.

For more about the Fox ESS range, visit:

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 (WxHxD) [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			
Protection Degree	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.