

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 (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.