







# 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.



 <p><b>Easy Installation</b> Flexible configuration, plug and play set-up, built-in fuse protection.</p>	 <p><b>High Voltage</b> Includes high-voltage batteries for maximum round-trip efficiency.</p>	 <p><b>IP65 Rated</b> Engineered to last with maximum flexibility. Suitable for outdoor installation.</p>	 <p><b>Remote Monitoring</b> Monitor your system remotely via smartphone app or web portal.</p>
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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](http://WWW.FOX-ESS.COM)

**UNBALANCED LOADS SUPPORTED**  
 EPS OPTION



# 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.