







# 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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**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](http://WWW.FOX-ESS.COM)



# TECHNICAL SPECIFICATIONS

Model	AIO-H3-5.0	AIO-H3-6.0	AIO-H3-8.0	AIO-H3-10.0E
<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]			160 ~ 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			Lithium Battery (LFP)	
Battery Voltage [V]			180 ~ 234	
Max. Charge/Discharge Current [A]			26	
Communication Interface			CAN (Communicate with inverter), RS485 (Upgrade BMS)	
<b>AC INPUT AND OUTPUT (GRID)</b>				
Max. AC Input Power [VA]	5000	6000	8000	10000
Max. AC Input Current (per phase) [A]	7.9	9.5	12.7	15.9
Rated Output Power [W]	5000	6000	8000	10000
Max. Output Apparent Power [VA]	5500	6600	8800	10000
Rated Output Current (per phase) [A]	7.2	8.7	11.6	14.5
Max. Output Current [A]	7.9	9.5	12.7	15.9
Rated Grid Voltage [V]			3L/N/PE , 230/400	
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]	7500	9000	12000	15000
Max. Current (per phase) [A]	7.2	8.7	11.6	14.5
Rated Output Voltage [V]			3L/N/PE , 230/400	
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 (WxHxD) [mm]			630*1662*389	
Weight [kg]			97 (Except Batteries)	
Installation			Floor-Mounted	
Topology			Non-isolated	
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	
<b>STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)</b>				
Safety			EN 62109-1, EN 62109-2	
EMC			IEC 61000-6-1, IEC 61000-6-3	
Grid Regulation			C10/11	

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