



HYBRID

3-PHASE AIO

ALL-IN-ONE ENERGY STORAGE

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



<p>Easy Installation Flexible configuration, plug and play set-up, built-in fuse protection.</p>	<p>High Voltage Includes high-voltage batteries for maximum round-trip efficiency.</p>	<p>IP65 Rated Engineered to last with maximum flexibility. Suitable for outdoor installation.</p>	<p>Remote Monitoring Monitor your system remotely via smartphone app or web portal.</p>
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up to
10kW
 charge/
 discharge

UNBALANCED LOADS SUPPORTED
EPS OPTION

BATTERY EXPANSION EASY UPGRADE



A high-performance, high-efficiency all-in-one system with 10.4kWh of storage capacity and up to 10kW rate of continuous charge/discharge.

For more about the Fox range of storage solutions, visit:

WWW.FOX-ESS.COM



TECHNICAL SPECIFICATIONS

Model	AIO-H3-5.0 AIO-AC3-5.0	AIO-H3-6.0	AIO-H3-8.0	AIO-H3-10.0
INPUT PV				
Max. recommended DC Power [W]	A:3000 / B:3000	A:4000 / B:4000	A:6000 / B:4000	A:8000 / B:5000
Max. DC Voltage [V]			1000	
Nominal DC Operating Voltage [V]			720	
Max. input Current (Input A / Input B) [A]	14A/14A	14A/14A	26A/14A	26A/14A
Start-Up Voltage [V]			180V	
MPPT Voltage Range [V]			160-950	
MPPT Voltage Range (Full load) [Vdc]	210-800	250-800	240-800	280-800
No. of MPP Trackers			2	
Strings Per MPP Tracker	1+1	1+1	2+1	2+1
OUTPUT AC				
Normal AC Power [VA]	5000	6000	8000	10000
Max. apparent AC Power [VA]	5500	6600	8800	11000
Rated Grid Voltage (AC Voltage Range) [V]		400V / 230VAC; 380V / 220VAC, 3L / N / PE		
Rated Grid Frequency [HZ]		50 / 60, ±5		
Nominal AC Current [A] (Per Phase)	7.2	8.7	11.6	14.5
Max. AC Current [A] (Per Phase)	8.3	10.0	13.3	16.7
Displacement Power Factor		1(Adjustable from 0.8 leading to 0.8 lagging)		
Export Control		Yes		
Total Harmonic Distortion (THDi, @Rated Output)		<3%		
INPUT AC				
Nominal AC Current [A] (Per Phase)	7.2	8.7	11.6	14.5
Max. AC Current [A] (Per Phase)	8.3	10.0	13.3	16.7
Rated Grid Voltage [V] (AC Voltage Range)		400V / 230VAC; 380V / 220VAC, 3L / N / PE		
Rated Grid Frequency		50 / 60, ±5		
Displacement Power Factor		1(Adjustable from 0.8 leading to 0.8 lagging)		
AC Inrush Current [A]		32.0		
Max. output Overcurrent Protection [A]		40.0		
BATTERY (LFP)				
Full AC load Battery Voltage [V]	205	250	330	410
Battery Voltage [V]			180-500	
Max. charge / Discharge Current [A]			26	
Communication Interfaces			CAN/RS485	
Reverse Connect Protection			YES	
EPS OUTPUT (WITH BATTERY)				
Normal AC Power [VA]	5000	6000	8000	10000
Max. apparent AC Power [VA] (60s)	7500	9000	12000	15000
Rated Output Voltage [V]		400V / 230VAC; 380V / 220VAC, 3L / N / PE		
Rated Frequency (Hz)		50 / 60		
EPS Rated Current [A] (@230VAC) (per phase)	7.2	8.7	11.6	14.5
Parallel Operation		10		
Switch Time [s]		< 1.5S		
THDV		< 3 % @Rated Power		
EFFICIENCY				
MPPT Efficiency		99.90%		
Euro-efficiency		97.00%		
Max. efficiency		97.80%		
Battery Charge Efficiency		98.50%		
Battery Discharge Efficiency		97.00%		
Standby Consumption [W] (Idle)		< 3		
STANDARD				
Safety		IEC62109-1-2 / IEC62040 / IEC62619		
EMC		IEC 61000-6-1 / IEC 61000-6-2 / IEC 61000-6-3		
Certification		G98 / AS4777.2 / EN50549-1 / CEI 0-21 / VDE-AR-N 4105 / NRS097-2-1 and so on		
ENVIRONMENT LIMIT				
Ingress Protection		IP65 (for Outdoor Use)		
Protective Class		Class I		
Inverter Operating Temperature range [°C]		-25..... +60°C (Derating at +45°C)		
Battery Operating Temperature range [°C]		-10..... +50°C		
Humidity [%]		0%-95% (Without Condensation)		
Altitude [m]		<2000m		
Storage Temperature [°C]		-40..... +70°C		
Noise Emission (Typical) [dB]		<40dB		
Over Voltage Category		III (AC), II (DC)		
GENERAL				
Dimensions (HxWxD) [mm]		630*1662.5*389		
Weight [kg]		97		
Cooling Concept		Natural		
Topology		Non-isolated		
Communication		Ethernet, Meter, WiFi (optional), ORM, USB, BMS (CAN), RS485		