



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.



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 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				
Norminal 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		
Norminal 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				
Norminal 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)				
Norminal 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%		
Euro Efficiency (Battery - AC)		95.80%		
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		