



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



# TECHNICAL SPECIFICATIONS

Model	AIO-H3-5.0-E	AIO-H3-6.0-E	AIO-H3-8.0-E	AIO-H3-10.0-E
<b>INPUT PV</b>				
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	
PV work range [Vdc]			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	A:1/B:1	A:1/B:1	A:2/B:1	A:2/B:1
<b>OUTPUT AC</b>				
Nominal 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]	7.2	8.7	11.6	14.5
Max. AC current [A]	8.0	9.6	12.8	15.9
Displacement power factor		1(Adjustable from 0.8 leading to 0.8 lagging)		
Total harmonic distortion (THDi, rated power)		<3%		
Unbalance output		Yes		
Parallel operation		Yes		
<b>INPUT AC</b>				
Nominal AC power [VA]	5000	6000	8000	10000
Nominal AC current [A]	7.2	8.7	11.6	14.5
Max. AC current [A]	8.0	9.6	12.8	15.9
Rated grid voltage (AC voltage range) [V]		400V/230VAC;380V/220VAC,3L/N/PE		
Rated grid Frequency [Hz]		50/60		
Power factor		1(Adjustable from 0.8 leading to 0.8 lagging)		
<b>BATTERY</b>				
Battery capacity [kWh]		Up to 10.4		
Battery voltage range [V]		180-450		
Max. charge/discharge current [A]		26		
Communication interfaces		CAN/RS485		
Reverse connect protection		YES		
<b>EPS OUTPUT</b>				
Nominal AC power [W]	5000	6000	8000	10000
Max. AC power (60s) [VA]	7500	9000	12000	15000
EPS rated voltage [V], Frequency [Hz]		400V/230VAC;380V/220VAC,3L/N/PE, 50/60		
EPS rated current (@230VAC) [A]	7.2	8.7	11.6	14.5
Switch time [s]		<1.5		
Total harmonic distortion (THDv, linear Load)		<3%		
Parallel operation		10		
<b>EFFICIENCY</b>				
MPPT efficiency		99.90%		
Euro-efficiency		97.00%		
Max. efficiency		97.80%		
Battery Charge Efficiency		98.50%		
Battery Discharge Efficiency		97.00%		
<b>POWER CONSUMPTION</b>				
Internal consumption (night) [W]		15W standby mode		
Idle mode		YES		
<b>STANDARD</b>				
Safety		IEC62109-1-2 / IEC62040 / IEC62619		
EMC		EN 61000-6-1 / EN 61000-6-2 / EN 61000-6-3		
Grid rules		VDE-AR-N 4105:2018 / G98 / G99 / AS4777 / EN50549 / CEI 0-21		
<b>ENVIRONMENT LIMIT</b>				
Protection class		IP65		
Surge protection		Type III (DC)/ Type III (AC)		
Operating temperature range [°C]		-25..... +60°C (derating at +45°C)		
Humidity [%]		0~95 (non-condensing)		
Altitude [m]		<2000		
Storage temperature [°C]		-40..... +70°C		
Noise emission (typical) [dB]		<40		
Over voltage category		III (electric supply side), II (PV side)		
<b>GENERAL</b>				
Dimensions (HxWxD) [mm]		630*1662.5*389		
Weight [kg]		97±0.5		
Cooling concept		Natural		
Topology		Transformerless		
Communication		Ethernet, Meter, WiFi/GPRS/LAN (optional), DRM, USB, BMS (CAN), RS485		