

# HYBRID ALL-IN-ONE



Fox ESS 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.



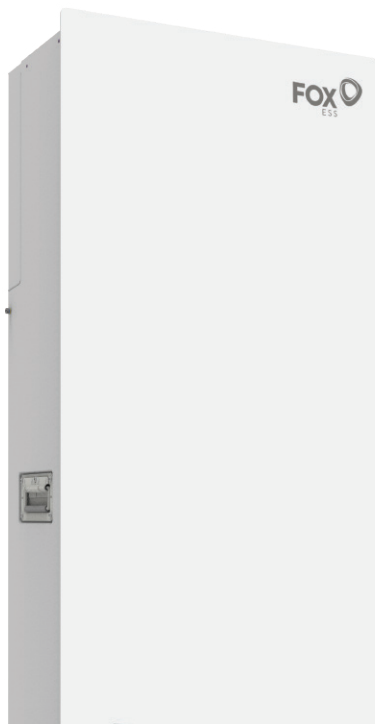
### IP65 Rated

Engineered to last with maximum flexibility. Suitable for outdoor installation.



### Remote Monitoring

Monitor your system remotely via smartphone app or web portal.



REFINED – POWERFUL – FLEXIBLE

## BATTERY EXPANSION EASY UPGRADE



A high-performance, high-efficiency system with 10.4kWh of storage capacity and up to 6kW charge/discharge rate.

For more about the Fox ESS range, visit:

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



# TECHNICAL SPECIFICATIONS

Model	AIO-H1-3.0 AIO-AC1-3.0	AIO-H1-3.7 AIO-AC1-3.7	AIO-H1-4.6 AIO-AC1-4.6	AIO-H1-5.0 AIO-AC1-5.0	AIO-H1-6.0 AIO-AC1-6.0
<b>INPUT PV (FOR HYBRID ONLY)</b>					
Max. Input Power [W]	3900	4680	5980	6500	7800
Max. Input Voltage [V]			600		
Start-up Input Voltage [V]			75		
Rated Input Voltage [V]			360		
MPPT Operating Voltage Range [V]			80 ~ 550		
Max. Input Current [A]			13.5/13.5		
Max. Short-circuit Current [A]			15/15		
No. of Independent MPP Trackers	2	2	2	2	2
No. of Strings per MPP Tracker	1	1	1	1	1
<b>BATTERY CONNECTION</b>					
Battery Type	Lithium battery (LFP)				
Battery Voltage [V]	85 ~ 234				
Max. Charge/Discharge Current [A]	40				
Communication Interface	CAN(Communicate with inverter), RS485 (Upgrade BMS)				
<b>AC INPUT AND OUTPUT (GRID)</b>					
Max. AC Input Power [VA]	7000	7680	9600	10000	12000
Max. AC Input Current (per phase) [A]	31.8	34.9	43.6	45.5	54.5
Rated Output Power [W]	3000	3680	4600	5000	6000
Max. Output Apparent Power [VA]	3300	4080	5060	5500	6600
Rated Output Current (per phase) [A]	13.0	16.0	20.0	21.7	26.1
Max. Output Current [A]	14.3	17.6	22.0	23.9	28.7
Rated Grid Voltage [V]	220/230/240				
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</b>					
Max. Output Apparent Power [VA]	5000	5000	6000	6000	6000
Peak Output Apparent Power (60s) [VA]	6000	6000	7200	7200	7200
Max. Current (per phase) [A]	21.7	21.7	26.1	26.1	26.1
Rated Output Voltage [V]	220/230/240				
Rated Output Frequency [Hz]	50/60				
Power Factor	1 ( Adjustable from 0.8 leading to 0.8 lagging )				
THDv ( linear Load ) [%]	<2 @Rated Power				
Switch time [ms]	<20				
<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]	624*1662*375				
Weight [kg]	78				
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				
Protection Degree	IP65				
Standby consumption	< 10				
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	EN 61000-6-2, EN 61000-6-3				
Grid Regulation	EN50549-1, C10/11, VDE-AR-N 4105, G98, G99, CEI 0-21, NRS 097-2-1, AS/NZS 4777.2				

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