



DATASHEET

Single-Phase Hybrid/AC AIO

AIO-HI-3.0 / 3.7 / 4.6-E / 5.0-E

AIO-ACI-3.0 / 3.7 / 4.6-E / 5.0-E

HYBRID

ALL-IN-ONE



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.



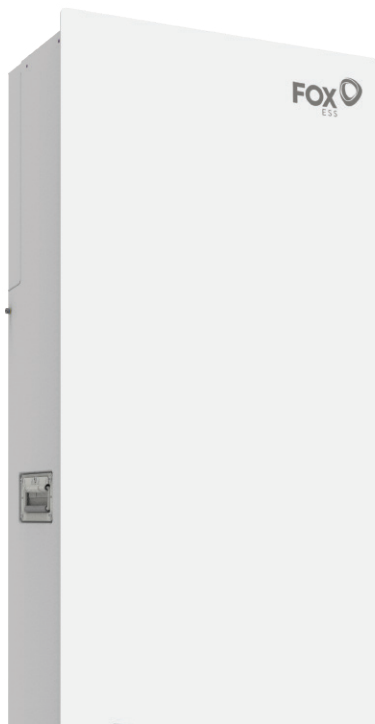
IP65 Rated

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



Remote Monitoring

Monitor your system remotely via smartphone app or web portal.



REFINED – POWERFUL – FLEXIBLE

BATTERY EXPANSION EASY UPGRADE



A high-performance, high-efficiency system with 10.4kWh of storage capacity and up to 5kW charge/discharge rate.

For more about the FOX range, visit:

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-E AIO-AC1-4.6-E	AIO-H1-5.0-E AIO-AC1-5.0-E
INPUT PV (FOR HYBRID ONLY)				
Max. Input Power [W]	3900	4680	5980	6500
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
No. of Strings per MPP Tracker	1	1	1	1
BATTERY CONNECTION				
Battery Type			Lithium-Ion	
Battery Voltage [V]			85-234	
Max. Charge/Discharge Current [A]			40	
Communication Interface			CAN(Communicate with inverter), RS485 (Upgrade BMS)	
AC INPUT AND OUTPUT (GRID)				
Max. AC Input Power [VA]	7000	7680	9600	10000
Max. AC Input Current (per phase) [A]	31.8	34.9	43.7	45.5
Rated Output Power [W]	3000	3680	4600	5000
Max. Output Apparent Power [VA]	3300	4080	4600	5000
Rated Output Current (per phase) [A]	13.0	16.0	20.0	21.7
Max. Output Current [A]	14.4	17.6	22.0	23.9
Rated Grid Voltage [V]			220/230/240	
Rated Grid Frequency [Hz]			50/60	
Power Factor			1 default(Adjustable from 0.8 leading to 0.8 lagging)	
THDi			<3%@Rated Power	
EPS OUTPUT				
Max. Output Apparent Power [VA]	5000	5000	6000	6000
Peak Output Apparent Power (60s) [VA]	6000	6000	7200	7200
Max. Current (per phase) [A]	21.7	21.7	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	
EFFICIENCY				
Euro Efficiency	97.00%	97.00%	97.00%	97.00%
Max. Efficiency	97.80%	97.80%	97.80%	97.80%
Max. Battery Charge Efficiency (PV to BAT) (@full load)	98.50%	98.50%	98.50%	98.50%
Max. Battery Discharge Efficiency (BAT to AC) (@full load)	97.00%	97.00%	97.00%	97.00%
PROTECTION				
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	
GENERAL DATA				
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 to 60	
Humidity (No Condensation)			0% to 100%	
Protection Degree			IP65	
Standby consumption			< 10	
Monitoring Module			WiFi, 4G, GPRS (Optional)	
Communication			2*RS485, DRM, Ripple Control, USB	
Display			LCD, App, Website	
STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)				
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.