



DATASHEET (FOR BELGIUM)

Single-Phase Hybrid/AC AIO

AIO-HI-3.0 / 3.7 / 4.6 / 5.0

AIO-ACI-3.0 / 3.7 / 4.6 / 5.0

# 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.



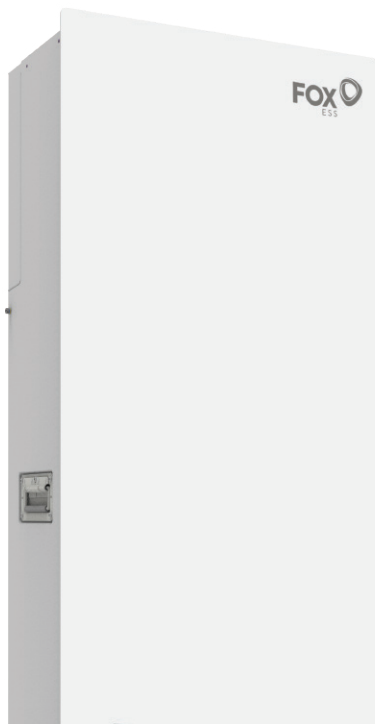
## IP65 Rated

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 6kW charge/discharge rate.

For more about the FOX 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-E1 AIO-AC1-4.6-E1	AIO-H1-5.0-E1 AIO-AC1-5.0-E1
<b>INPUT PV (FOR HYBRID ONLY)</b>				
Max.recommended DC power [W]	3900	4680	5980	6500
Max.DC voltage [V]			600	
Nominal DC operating voltage [V]			360	
Max. input current [A]			13.5/13.5	
Max. short circuit current [A]			15/15	
MPPT voltage range [V]			80-550	
No. of MPP trackers	2	2	2	2
Strings per MPP tracker	1	1	1	1
Start-up voltage [V]			75	
<b>OUTPUT AC</b>				
Nominal AC power [VA]	3000	3680	4600	5000
Max. apparent AC power [VA]	3300	4048	4600	5000
Rated grid voltage (AC voltage range) [V]			220/230/240 (180 to 270)	
Rated grid Frequency [Hz]			50/60±5	
Nominal AC current [A]	13	16	20	21.7
Max. AC current [A]	14.4	17.6	22	23.9
Displacement power factor			0.8 leading to 0.8 lagging	
Total harmonic distortion (THDi, rated power)			<3%	
<b>INPUT AC</b>				
Nominal AC power [VA]	7000	7680	9600	10000
Nominal AC current [A]	31.8	34.9	43.7	45.5
Rated grid voltage (AC voltage range) [V]			220/230/240 (180 to 270)	
Rated grid Frequency [Hz]			50/60±5	
Power Factor			0.8 leading to 0.8 lagging	
<b>BATTERY (LFP)</b>				
Battery voltage range [V]			85-450	
Max.charge/discharge current [A]			40	
Communication interfaces			CAN/RS485	
Reverse connect protection			YES	
Battery capacity [kWh]			Up to 10.4	
<b>EPS OUTPUT (WITH BATTERY)</b>				
EPS rated power [VA]	5000	5000	6000	6000
EPS rated voltage [V], Frequency [Hz]			230VAC, 50/60	
EPS rated current [A]	21.7	21.7	26.1	26.1
EPS peak power [W]		6000, 60s		7200, 60s
Total harmonic distortion (THDv, linear Load)			<2%	
Switch time [ms]			<20	
<b>EFFICIENCY</b>				
MPPT efficiency	99.90%	99.90%	99.90%	99.90%
Euro-efficiency	97.00%	97.00%	97.00%	97.00%
Max. efficiency	97.80%	97.80%	97.80%	97.80%
Max. efficiency (PV to BAT) @full load	98.50%	98.50%	98.50%	98.50%
Max. efficiency (BAT to AC) @full load	97.00%	97.00%	97.00%	97.00%
<b>POWER CONSUMPTION</b>				
Standby consumption [W] (Idle)			<3	
<b>STANDARD</b>				
Safety			IEC62109-1/-2 / IEC62040	
EMC			EN 61000-6-1 / EN 61000-6-2 / EN 61000-6-3	
Certification			C10/11 / G98 / VDE-AR-N 4105 / G99 / AS4777 / EN50438/ CEI 0-21 / VDE 2510 / NRS097-2-1	
<b>ENVIRONMENT LIMIT</b>				
Ingress protection			IP65	
Operating temperature range [°C]			-25..... +60 (derating at +45)	
Humidity [%]			0~100 (non-condensing)	
Altitude [m]			<2000	
Storage temperature [°C]			-40..... +70	
Noise emission (typical) [dB]			40	
Over voltage category			III (AC), II (DC)	
<b>GENERAL DATA</b>				
Dimensions (HxWxD) [mm]			624*1662*375	
Weight [kg]			78 (excluding batteries)	
Cooling concept			Natural	
Topology			Transformerless	
Communication			Ethernet, Meter, WIFI/GPRS/ LAN (optional), DRM, USB, CT	
Button			Capacitive Touch Sense	