

AC COUPLED 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



TECHNICAL SPECIFICATIONS

Model	AIO-AC1-5.0-HVS5.2 AIO-AC1-6.0-HVS5.2	AIO-AC1-5.0-HVS7.8 AIO-AC1-5.0-HVS10.4	AIO-AC1-6.0-HVS7.8 AIO-AC1-6.0-HVS10.4
OUTPUT AC			
Nominal AC power [VA]	4000	5000	6000
Max. apparent AC power [VA]	4400	5500	6600
Rated grid voltage (AC voltage range) [V]	220/230/240 (180 to 270)		
Rated grid Frequency [Hz]	50/60±5		
Nominal AC current [A]	17.4	21.7	26.1
Max. AC current [A]	19.2	23.9	28.7
Displacement power factor	0.8 leading to 0.8 lagging		
Total harmonic distortion (THDi, rated power)	<3%		
INPUT AC			
Nominal AC power [VA]	4000+5000 (Bypass)	5000+5000 (Bypass)	6000+6000 (Bypass)
Nominal AC current [A]	43	45.5	54.6
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		
BATTERY			
Battery voltage range [V]	85-233.6		
Max.charge/discharge current [A]	40		
Communication interfaces	CAN/RS485		
Reverse connect protection	YES		
Battery capacity [KWh]	Up to 10.4		
EPS OUTPUT (WITH BATTERY)			
EPS rated power [VA]	4000	6000	6600
EPS rated voltage [V], Frequency [Hz]	230VAC, 50/60		
EPS rated current [A]	19.2	26.1	26.1
EPS peak power [W]	7200, 10s		
Total harmonic distortion (THDv, linear Load)	<2%		
Compatible with the generator	Yes		
Switch time [ms]	<20		
EFFICIENCY			
MPPT efficiency	99.90%		
Euro-efficiency	97.00%		
Max. efficiency	97.80%		
Max. efficiency (PV to BAT) @full load	98.50%		
Max. efficiency (BAT to AC) @full load	97.00%		
POWER CONSUMPTION			
Standby consumption [W] (Idle)	<3		
Idle mode	YES		
STANDARD			
Safety	IEC62109-1/-2 / IEC62040		
EMC	EN 61000-6-1 / EN 61000-6-2 / EN 61000-6-3		
Certification	G98 / VDE-AR-N 4105 / G99 / AS4777 / EN50438/ CEI 0-21 / VDE 2510 / NRS097-2-1		
ENVIRONMENT LIMIT			
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 (electric supply side), II (PV side)		
GENERAL DATA			
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		