



AIO H1/AC1

ALL-IN-ONE ENERGY STORAGE



HIGH VOLTAGE

Includes high-voltage batteries for maximum round-trip efficiency.



EASY INSTALLATION

Flexible configuration, plug and play set-up, built-in fuse protection.



IP65 RATED

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



REMOTE MONITORING

Monitor your system remotely via smartphone app or web portal.



Advanced System Monitoring
with **FoxCloud V2.0**

REFINED – POWERFUL – FLEXIBLE

The stunning all-in-one storage system from Fox ESS is an advanced energy storage solution contained within one compact and stylish unit. It is suitable for any room in the home or for outdoor installation, not only elegant but also space-saving.

3kW ...>> 6kW



For more information about the Fox ESS 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 AIO-AC1-4.6	AIO-H1-5.0 AIO-AC1-5.0	AIO-H1-6.0 AIO-AC1-6.0
INPUT PV (FOR HYBRID ONLY)					
Max. Input Power [W]	3900 A:2000 B:2000	4680 A:2400 B:2400	5980 A:3000 B:3000	6500 A:3300 B:3300	7800 A:3900 B:3900
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		
No. of Strings per MPP Tracker			1		
BATTERY CONNECTION					
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)				
AC INPUT AND OUTPUT (GRID)					
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				
EPS OUTPUT					
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				
EFFICIENCY					
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				
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 (W*H*D) [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				
Ingress protection	IP65				
Standby consumption	<10				
Monitoring Module	WiFi, LAN, 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.

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