



ULTRA

AC-COUPLED ALL-IN-ONE

FoxESS 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



Expand your system easily by simply adding additional batteries. There are three battery size options, and four batteries can be installed in series, providing up to 11.6kWh of storage capacity.

For more about the FoxESS Ultra range of AIO storage solutions, visit:

WWW.FOX-ESS.COM



TECHNICAL SPECIFICATIONS

Model	AC1-Ultra-3.0-E	AC1-Ultra-4.0-E	AC1-Ultra-4.6-E	AC1-Ultra-5.0-E
AC				
AC Output (Discharge)				
Normal Apparent AC Power [VA]	3000	3680	4600	4999
Displacement Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)			
Rated Grid Voltage (AC Voltage Range)	220/230 Vac			
Rated Grid Frequency	50/60Hz			
Max. AC Output Current [A]	13.0	16.7	20.0	21.7
Inrush Current[A]	40A			
Total Harmonic Distortion (THDi, Nominal output)	<3%			
AC Input				
Rated Grid Voltage	220/230 VAC			
Max. AC current [A]	26.0	33.0	35.0	35.0
Inrush Current [A]	40A			
Rated grid Frequency [Hz]	50/60			
Normal AC power [VA]	6000	7600	8000	8000
EPS (E Version Only)				
EPS Rated Power [VA]	3000	3680	4600	4999
EPS Rated Voltage [V], Frequency [Hz]	230V, 50/60			
EPS Peak Power [W]	6000 (10s)		8000 (10s)	
Switch Time [ms]	<=20			
Total Harmonic Distortion (THDv, Linear Load)	3%			
BATTERY				
Battery Voltage Range [V]	80-234	80-234	80-234	80-234
Max. Charge Current [A]	50 (0.5H)	50 (0.5H)	50 (0.5H)	50 (0.5H)
Max. Discharge Current [A]	50 (0.5H)	50 (0.5H)	50 (0.5H)	50 (0.5H)
Rated Discharge Current [A]	35	35	35	35
Communication Interfaces	CAN / RS485			
Battery Type	Lithium-Ion			
EFFICIENCY				
Max. Discharge Efficiency	96.00%	96.00%	97.00%	97.00%
Max. Charge Efficiency	96.00%	96.00%	97.00%	97.00%
Max. Efficiency	96.00%	96.00%	97.00%	97.00%
PROTECTION				
Anti-Islanding Protection	YES			
Insulation Monitoring	YES			
Residual Current Monitoring	YES			
AC Short Circuit Protection	YES			
AC Output Over Current Protection	YES			
AC Output Over Voltage Protection	YES			
Surge Protection	YES			
Temperature Protection	YES			
STANDARD				
Safety	IEC62477			
EMC	IEC/EN61000-6-1/2/3/4			
Certification	G98/G99/AS4777/CEI 0-21/EN50549/VDE-AR-N 4105			
GENERAL DATA				
Dimensions (HxWxD) [mm]	1693*858*341			
Weight [kg]	50			
Cooling Concept	Natural			
Topology	Not Isolation			
Protection Class	IP65			
Noise Emission (Typical) [dB]	<35			
Storage Temperature Range [°C]	-40.....+70°C			
Operating Temperature Range [°C]	-20.....+60°C (derating at +45°C)			
Humidity	0-95%			
Max. Operating Altitude [m]	2000			
Self Consumption [W]	<10W			
Monitoring Module (Optional)	External WIFI/LAN/GPRS			
Communication	Meter, CT1, CT2, USB, ISO alarm, CAN, 485			
Display	Led Screen, App, Web site			