

AE-FS2.0-2H2&AE-F2.0-2H2



- All-in-one design which integrated 1000W PV MPPT input(AE-FS2.0-2H2), 800W bidirectional AC/DC and 2kWh LFP battery. Safe and long life.
- Leading intelligent applications: dual MPPT(AE-FS2.0-2H2), AC coupling (compatible with 100% PV micro-inverter system), peak shaving, intelligent load, etc., can be used for balcony energy storage, portable outdoor power supply.
- Supports UPS load, fast switching within 4ms, to ensure stable and reliable power supply.
- Supports Bluetooth and WiFi to connect with mobile APP. Can easily know the system running state and save daily electricity costs. Support remote firmware update, always keep the latest application experience.
- Home electronics design, supports desktop placement and use, while supporting stack expansion. Optional wall-mounted accessories for hanging installation to save installation space.
- Supports capacity expansion. 4 sets AE-F2.0 batteries can be added, and the maximum capacity of the system can reach 10kWh.
- Supports outdoor use, with USB-A and Type C charging interfaces, natural cooling, built-in intelligent BMS. Provides comprehensive protection, and a wide operating temperature range of -10°C~50°C.

Technical Data

Model	AE-F2.0-2H2	AE-FS2.0-2H2
AC Technical Specification		
Nominal Input/Output Power/UPS Power (W)	800/800	
AC Output Frequency and Voltage	50Hz (45Hz-55Hz), L/N (PE), 220/230 Vac	
Grid Type	Single phase	
Rated Grid input/output Current (A)	3.5	
Max. Grid input/output Current (A)	3.7	
Peak Power (off grid)	2 time of rated power, 10s	
Power Factor Adjustment Range	0.8 leading to 0.8 lagging	
Power Factor	1	
DC injection current (mA)	THD<3% (Linear load<1.5%)	
DC Technical Specification		
Max. PV Input Power (W)	/	1000
Max. PV Input Current (A)	/	15
Max. PV Short-circuit Current (A)	/	18
Rated PV Input Voltage (Vdc)	/	35 (20~60)
Start Up DC Voltage (Vdc)	/	25
MPPT Voltage Range (Vdc)	/	20~60
Number of MPPT	/	2
Battery Chemistry	LiFePO4	
Battery Nominal Voltage (V)	51.2	
Battery Nominal Energy (kWh)	2000	
Battery Operating Voltage (V)	43.2~57.6	
Battery Cycle Life	≥6000 (@25°C±2°C, 0.5C/0.5C, 70%EOL)	
Other Technical Specification		
Display	LCD & APP	
Communication interfaces	Wifi, Bluetooth	
Dimension (W/D/H, mm)	450*210*321	
Weight Appr. (kg)	24	
Operating Temperature Range (°C)	-10°C~50°C	
Max. operating altitude (m)	3000	
Relative Humidity	15% ~ 85% (No Condensing)	
Safety EMC/Standard	IEC62619, UN38.3, IEC/EN 62109-1, IEC/EN 62109-2, IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4	
Grid Regulation	VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150	
Battery Certification	UN38.3, IEC62619	
Installation Style	Floor-Mounted	