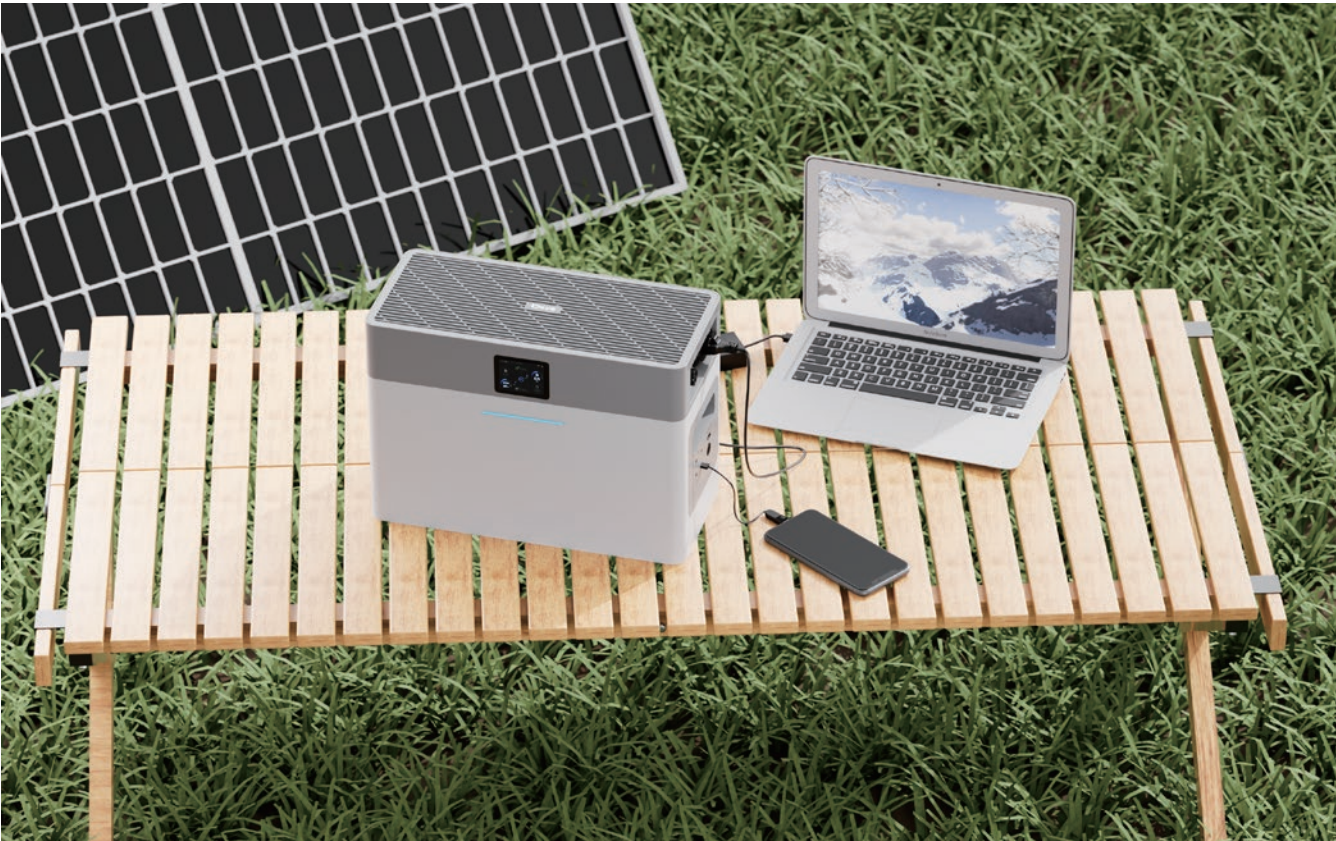




AE-FS2.0-2H2&AE-F2.0-2H2



- 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		