

All-in-One Power Station

CFE Power Stream 4

3kVA / 3kW all-in-one floor-standing power station with 4.0kWh LFP battery



3kVA Pure Sine Wave, 4kWh LFP Storage

- Integrated inverter/charger and battery in one compact floor-standing unit.



Real Backup for Home & Small Business

- Keeps fridge, lights, WiFi, TV and POS running during power cuts.



Solar + Grid / Generator Charging

- Works with rooftop PV and 230Vac grid or genset for 24/7 availability.



Safe, Long-Life LiFePO4 with Smart BMS

- 4.0kWh LFP battery with up to 8,000 cycles, protected by multi-level BMS.



Clean, Silent Alternative to 3kVA Generators

- No fuel, no fumes, low maintenance – zero exhaust inside shops and homes.



Ideal for Upgrading Existing 220–230Vac Installations

- Simply connect PS4 between the grid and critical loads – no rewiring of the whole building.

Model	CFE-PS4
Description	3kVA / 3kW all-in-one portable power station with 4.0kWh LFP battery
AC Output	
Rated output power	3kVA / 3kW, single-phase
Nominal output voltage	230Vac
Output voltage range	170–264Vac (UPS mode) / 90–264Vac (Appliance mode)
Output frequency	50 / 60Hz
Output waveform	Pure sine wave
Nominal output current	13A
Overload power	4,500W
Transfer time	<10ms (utility / inverter)
Total harmonic distortion (THD)	<3%
Max. conversion efficiency (battery → AC)	93%
AC Input (Bypass / Charging)	
Rated input voltage	230Vac
Input voltage range	170–264Vac / 90–264Vac (UPS / Appliance modes)
Input frequency	50 / 60Hz
Max. AC input current	15A
Max. AC charging power	3,000W
PV Input (MPPT)	
Max. PV input power	3,500W
MPPT voltage range	60–430Vdc
Start-up voltage	55Vdc
Nominal / max. DC voltage	360Vdc / 450Vdc
MPPT tracker / max. input current	1 MPPT / 20A
MPPT efficiency	>99%
Battery	
Battery type	LiFePO4 (LFP)
Nominal voltage	12.8Vdc
Nominal capacity	314Ah
Rated energy	4.02kWh
Max. charging current (PV + AC)	150Adc
General	
Phase	1-phase in / 1-phase out
Protection degree	IP20, indoor use only
Mounting	Floor-standing installation
Operating temperature	-10 to +50°C
Relative humidity	0–90% RH, non-condensing
Cooling	Forced air (internal fan)
Dimensions (W × D × H)	620 × 420 × 200 mm (24.41 × 16.54 × 7.87 in)
Design cycle life	8,000 cycles
Warranty	3 years
Communication ports	RS-485 (upper computer / BMS), optional Wi-Fi module
Certifications	CE / RoHS / SAA / FCC / PSE

CF Energy Co., Ltd.

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