



* Outlook of the product may be subject to change without notice during product improving.

F Series Residential All-in-One ESS System 2.56KWh/3KW - 16KWh/10KW

- Battery, MPPT, Inverter, all in one.
- Extendable energy capacity with extra battery pack in parallel connection.
- Grade A New Prismatic LiFePO4 Cells from tier 1 brands, with original manufacturer QR code
- Pure sine wave output, 60/50Hz 230VAC.
- Lifespan up to 6000 cycles, 10+ years
- Energy efficiency up to 98%, DOD up to 90%
- Wall mount or floor mount.

Specifications

Item	F2500	F5000	F16000
Battery			
Rated Energy	2.56 kWh	5.12 kWh	16.076 kWh
Usable Energy	2.304 kWh	4.608 kWh	14.47 kWh
Capacity	25.6V 100Ah	51.2V 100Ah	51.2V 314Ah
Cell Type	LiFePO4	LiFePO4	LiFePO4
AC Input			
Rated AC Input Voltage	220-230V, 50/60Hz	220-230V, 50/60Hz	220-230V, 50/60Hz
Max AC Charging Power	3 KW	5 KW	10 KW
DC Input (paralleled battery pack)			
Rated DC Input Voltage	25.6V	51.2V	51.2V
Max Parallel Battery Number	4 pcs	4 pcs	4 pcs
PV(Solar) Input			
Rated DC Input Voltage(MPPT)	30-128V	120-450V	120-450V
Max DC Input Current(MPPT)	16A	22A	26A + 26A
Max DC Input Power(MPPT)	1.6 KW	6 KW	12 KW
AC Output			
Max AC Output Power	3 KW	5 KW	10 KW
AC Output Voltage	220-230V, 50/60Hz		
Physical			
Weight	30 Kg	51 Kg	149 Kg
Dimensions (W × D × H)	370 x 225 x 510 mm	450 x 270 x 610 mm	515 x 377 x 770 mm
Cycle Life	6000 cycles @0.2C 25°C 80%DOD		
Operating Temperature	Charge: 0~50°C/Discharge: -20~50°C/Storage:-20~45°C		
Humidity	≤90%		
IP Grade	IP21		
Operating Altitude	≤2000m		
Protection	Over Temperature, Over Current, Over voltage, Short Circuit, Over-charging, Over-discharging, Low Voltage		
Certification	UN38.3, MSDS		
Warranty	5 years(Battery), 2 Years(Inverter)		