

Residential ESS All-in-One

CFE-PSe



Highly Efficient and Flexible

- Battery inverter stacking design, easy installation
- Multiple models of batteries and inverters, free matching of configurations, capacity can be expanded according to demand



Technological Lead

- Priority adjustable operating mode, selectable grid charging current, user-defined voltage
- Li-ion battery, designed for 6000 cycles
- Diesel generator can be connected



Excellence In Quality

- Industrial frequency sine wave output, with utility complementary function
- Built-in PV MPPT controller, multiple MPPT configurations available



Efficient Management

- Adoption of ultra-high energy density and cost-effective battery materials improves the energy utilization efficiency of the system
- Low no-load loss of the whole machine, high inverter efficiency

Model	PSe5-5	PSe5-10	PSe5-15	PSe10-10	PSe10-15
PV Input Parameters					
MPPT Voltage Range	60V-230VDC				
PV Charging Current	80A				
Max. Charge Current Adjustable	OFF/ 10A/ 30A/ 60A/ 80A				
MPPT Efficiency	≥97%				
No. of MPPT Inputs	1	2	2	2	2
Max. MPPT Input Power	3840W	7680W	7680W	7680W	7680W
Battery Parameters					
Battery Type	LiFePO4				
Battery Voltage Range	45V-56V				
Battery Capacity	100Ah	206Ah	293Ah	206Ah	293Ah
Energy	5120Wh	10547Wh	15001Wh	10547Wh	15001Wh
AC Output Parameters					
Rated Power	5kW	5kW	5kW	10kW	10kW
Max. Power	15kW	15kW	15kW	30kW	30kW
Output Voltage	200V/210V/220V/230V240V Tuneable				
Inverter Output Waveform	Pure sine wave				
Output Frequency	50Hz/60Hz				
Grid Output Voltage	220VAC±10%				
Grid Output Frequency	Auto				
Energy Saving Mode Loss	5W				
AC Input Parameters					
Grid Voltage	220VAC: 160-260VAC/130-280VAC Tuneable				
Grid Charging Current	OFF/15A/30A/35A/40A (OFF means the mains charging function is switched off)				
Grid Input Frequency	45Hz-65Hz Auto				
Other Parameters					
Operating Mode	Utility Priority Mode, Battery Priority Mode, Energy Saving Mode, Unattended, Generator Mode				
Screen Working Mode	Normal Mode/Open Mode				
Screen Display Language	CN/EN (Optional)				
Conversion Time	< 5ms				
Heat Dissipation Mode	Intelligent temperature control				
Operating Temperature Range	0℃~40℃				
IP Level	IP20				
Altitude	≤3000m				
Size (W*D*H)	570*250*1017	570*250*1170	570*250*1370	570*250*1170	570*250*1370