

## SE 4/6KFG-S1/LV

Application: Residential Use



### Excellent Performance

- 200% PV oversizing, 150% PV usable power
- Max. 36A PV input current for high-power solar panels
- Max. battery charge/discharge current of 140A/160A
- Max. 11.5kW utility input power



### Safety & Reliability

- IP54 protection rating
- Multiple built-in protections, DC/AC Type III SPD
- 3 year Warranty



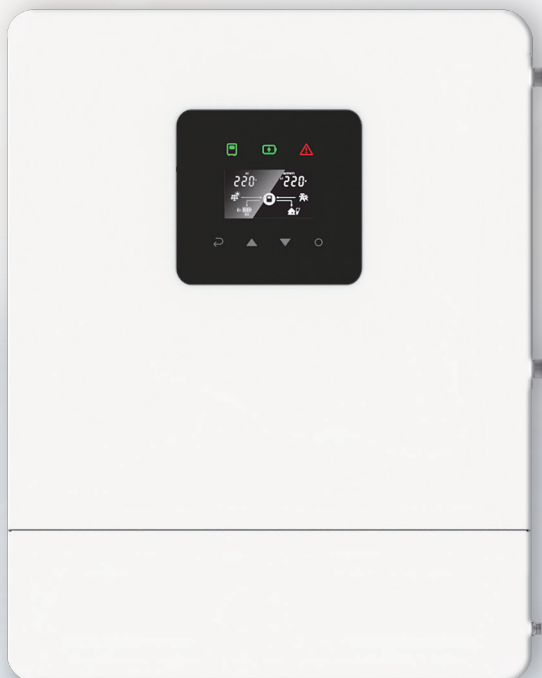
### High Flexibility

- Support Lead-acid battery
- Independent generator port
- Dual output with smart load
- Up to 12 pcs in parallel, support 3-phase parallel system(Only 6K model)

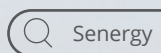


### Intelligent Maintenance

- USB OTG function
- Time-Based battery charging/discharging
- Built-in Wi-Fi and bluetooth for local and remote monitoring



SINGLE  
PHASE  
& LV  
BATTERY



	SE 4KFG-S1/LV	SE 6KFG-S1/LV
<b>Efficiency</b>		
Max. Efficiency	95%	
<b>PV Input</b>		
Max. PV Usable Power	6,000W	9,000W
Max. PV Input Voltage	500V	
MPPT Operating Voltage Range	60V-450V	
Start-up Voltage	60V	
No. of MPP Trackers	1	
No. of Strings per MPP Tracker	1	
Max. Input Current Per MPPT	18A	36A
<b>Battery</b>		
Battery Type	Lithium-ion/Lead-acid	
Nominal Battery Voltage	24V/25.6V	48V
Battery Voltage Range	20-30V	40-60V
Max. Solar Charging Current	140A	140A
Max. AC Charging Current	140A	140A
Max. Charging/Discharging Current	140A/160A	140A/140A
<b>AC Input</b>		
Max. Grid Input Power	6,000W	11,500W
Max. Input Current	27.3A	50A
Nominal Voltage	220V/230V/240V, L+N+PE	
Grid Voltage Range	170V-280V (For UPS), 90V-280V (For Home Appliances)	
Nominal Frequency	50Hz/60Hz	
<b>AC Output</b>		
Nominal AC Output Power	4,000W/4,000VA	6,000W/6,000VA
Nominal Voltage	220V/230V/240V, L+N+PE	
Nominal AC Output Current	18.2A/17.4A/16.7A	27.3A/26A/25A
Nominal Frequency	50Hz/60Hz	
Max. Grid Passthrough Power (grid to load)	4,000W	9,000W
Peak Output Apparent Power	200% @ 5.5s	
THDV	<3% @ R Load	
Parallel Capacity	Not Support	12 PCS
Transfer Time	10ms Typical (For UPS) 20ms Typical (For Home Appliances)	10ms Typical (For UPS) 20ms Typical (For Home Appliances) 50ms Typical (For Parallel Operation)
<b>Protection</b>		
Ingress Protection Degree	IP54	
Overvoltage Protection	Yes	
Overload Protection	Yes	
AC Short Circuit Protection	Yes	
Over Temperature Protection	Yes	
Surge Protection	DC: Type III, AC: Type III	
<b>General</b>		
Communication Interfaces	USB (OTG), RJ45 (for BMS, CAN/RS485), RJ45 (for Parallel), Dry-Contact, Wi-Fi/LAN (Optional)	
Operation Temperature Range	-10°C~55°C	
Relative Humidity	5%-95%	
Max. Operating Altitude	4,000m (>2,000m derating)	
Cooling Method	Smart Cooling	
Display	LED+LCD	
Mounting	Wall Bracket	
Dimensions (W*H*D)	347mm*445mm*120mm	
Certification	EN/IEC 62109-1, EN/IEC 62109-2, EN/IEC 61000	
Warranty	3 Years	

Remarks: · The range of output voltage and frequency may vary depending on different grid codes.  
· Specifications are subject to change without advanced notice.