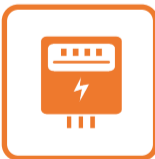
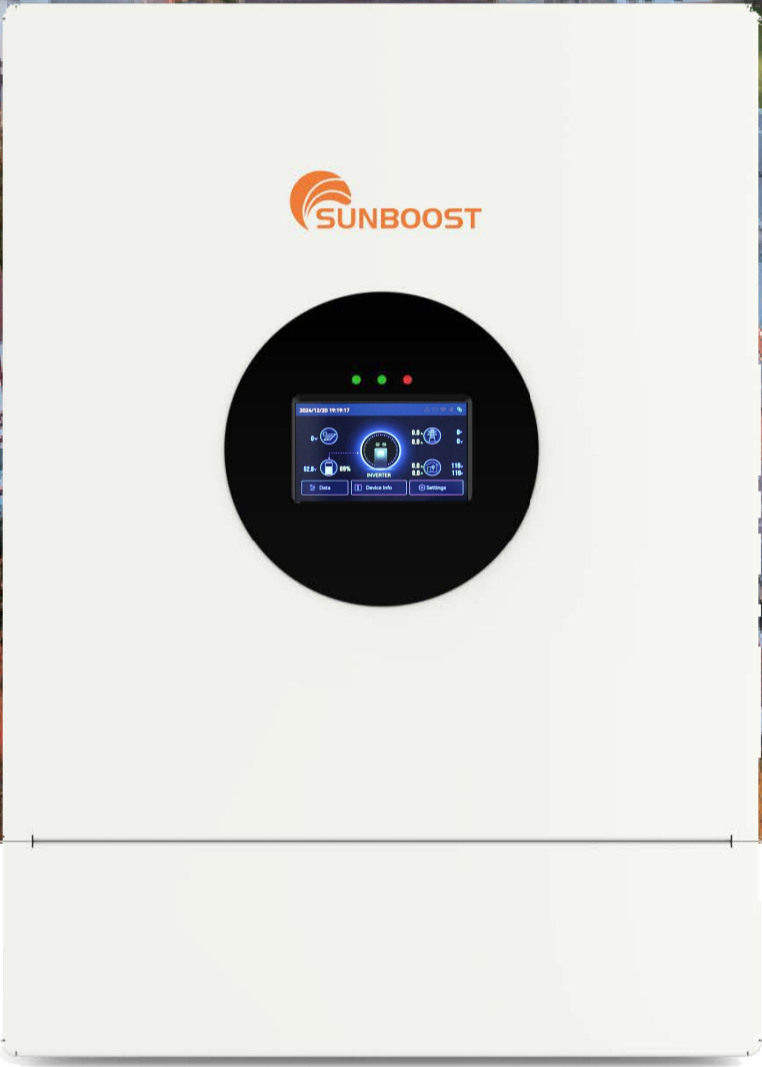
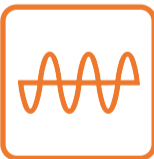


American ESS split
phase inverter

SPI-8KL
SPI-10KL
SPI-12KL



Advanced MPPT technology with up to 99.9% efficiency
Up to 22+22A PV input current



Outputs high quality pure sine wave AC power
Up to 10kW output power



Comprehensive security from hardware to software
Multiple safety approvals



Support parallel function Max.9 units



Support Li-ion battery BMS communication
Up to 200A charging current



Exclusive Li-ion battery BMS dual activation
Time-slot function to save cost with peak-valley

MODELS	SPI-08KL	SPI-10KL	SPI-12KL
INVERTER OUTPUT			
Rated Output Power	8,000W	10,000W	12,000W
Max. Peak Power	16,000W	20,000W	24,000W
Rated Output Voltage	120 , single-phase / 240V , split-phase		
Capacity of Motors	4HR	5HP	6HP
Rated AC Frequency	50/60Hz		
Waveform	Pure sine wave		
Switch Time	10ms (typical)		
Parallel Capacity	1-6 units (single/split/three phase)		
BATTERY			
Battery Type	Li-ion / Lead-acid / User-defined		
Rated Battery Voltage	48Vdc		
Battery Voltage Range	40 ~ 60Vdc		
Max. MPPT Charging Current	100A	180A	200A
Max. Mains / Generator Charging Current	60A	100A	120A
Max. Hybrid Charging Current	100A	180A	200A
PV INPUT			
Num. of MPPT Trackers	2		
Max. PV Array Power	5,500W+5,500W		
Max. Input Current	22A+22A		
Max. Open Circuit Voltage	500Vdc+500Vdc		
MPPT Voltage Range	125 ~ 425Vdc		
UTILITY / GENERATOR INPUT			
Input Voltage Range	90 ~ 140Vac		
Frequency Range	50/60Hz		
Bypass Overload Current	63A		
EFFICIENCY			
MPPT Tracking Efficiency	99.9%		
Max. Battery Inverter Efficiency	92%		
GENERAL			
Dimensions	620*445*130mm		
Weight	27kg		
Protection Degree	IP20 , indoor only		
Operating Temperature Range	-10~55 ℃ , >45 ℃ derated		
Noise	<60dB		
Cooling Method	Internal Fan		
Warranty	18 Months		
COMMUNICATION			
Embedded Interfaces	RS485 / CAN / USB / Dry contact		
Modules	Wi-Fi built in		