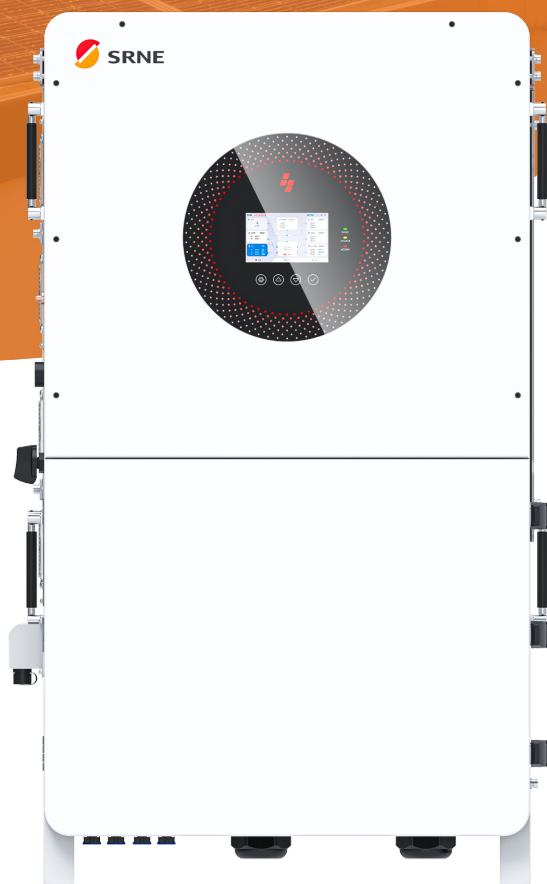




IESP 50~60kW

Three-Phase Hybrid Solar Storage Inverter

- ☐ 4 independent MPPT trackers, compatible with high-power PV modules
- ☐ DC over-sizing up to 1.5x
- ☐ Ultra-wide battery voltage range (150–820Vdc)
- ☐ Battery charge/discharge current 75A*2
- ☐ Max. AC grid-connected overload output of 1.1x
- ☐ 100% three-phase unbalanced load
- ☐ Supports diesel generator input
- ☐ DC arc fault detection
- ☐ AC/DC Surge Protection (Level II)
- ☐ IP65 waterproof protection degree

ABOUT SRNE

- ☐ SRNE 16 years in PV industry, committed to independent R&D and production.
- ☐ Holds over 200 patents in energy storage, with unique industry-leading technologies.
- ☐ Chooses top-quality international components to deliver high-value products to customers.
- ☐ Upholds values of customer priority, proactivity, responsibility, and innovative breakthroughs.

Model	IESP500SH3	IESP550SH3	IESP600SH3
AC OUTPUT			
Rated Output Power	50000W	55000W	60000W
PeakPower (off-grid)	1.4 times of rated power, 10s		
Max. Apparent Power	55000VA	60500VA	66000VA
Rated Output Voltage	220/380Vac,230/400Vac (3L+N+PE)		
Rated Output Current	75.9A	83.6A	91.2A
Max. Output Current	83.6A	91.9A	100.3A
Load Motor Capacity	21HP	23HP	25HP
Power Factor	0.8 leading to 0.8 lagging		
THDI	<3% (of nominal power)		
Rated Frequency	50/60Hz ±0.3Hz		
Grid Connection Form	3L+N+PE		
Switch Time	10ms (typical value)		
Waveform	Pure sine wave		
BATTERY			
Battery Type	Lithium-ion Battery		
Number of Battery Input	2		
Battery Voltage Range	150~820Vdc		
Max. Charging/Discharging Current	150A (75A+75A)		
PV INPUT			
No. Of MPPT Trackers	4		
Max. PV Input Power	75000W	82500W	90000W
Rated PV Input Voltage	600Vdc		
Max. PV Input Voltage	1000Vdc		
Start-up Voltage	160Vdc		
Max. PV Input Current	40A/40A/40A/40A		
Max. Short-circuit Current	60A/60A/60A/60A		
MPPT Operating Voltage Range	150~850Vdc		
GRID/GENERATOR INPUT			
Rated Input Phase Voltage	3L/N/PE; 220/380V; 230/400V		
Rated Input Frequency	50/60Hz		
Max. Bypass Overload Current	200A		
EFFICIENCY			
MPPT Tracking Efficiency	>99%		
Max. Efficiency	97.8%		
European Efficiency	97.2%		

GENERAL DATA			
Parallel Capacity	1~6 Units (More than 2 units in parallel can form a three-phase output)		
Dimension	622x342x1010mm	Humidity	0~100%
Weight	95kg	Cooling Method	Heat sink + intelligent fan cooling
Protection Degree	IP65	Noise	<65dB
Temperature	-25 to +60℃, >45℃ Derate	Communication	RS485/CAN/USB/ Dry Contact
Warranty	5 yeas	External Module (Optional)	Wi-Fi/GPRS
Certificate	EN50549,VDE4105,IEC62109-1,EC62109-2,EN61000-6-1, EN61000-6-3, FCC 15 class B		
PROTECTION			
PV Reverse Protection	Yes	Anti-Islanding Protection	Yes
Residual-Current Monitoring	Yes	Insulation Resistance Monitoring	Yes
Output Short-Circuit Protection	Yes	Output Over-Current Protection	Yes
Over-Voltage Protection	AC type II/DC type III	Surge Protection	AC type II/DC type II