

Parameter comparison

A comprehensive technical parameter comparison and analysis of three mainstream inverter models

IESP600SH3

SRNE's flagship product

**SUN-50K-SG01HP3-
EU-BM4**

Deye

S6-EH3P50K-H

Solis

AC Input/Output Data

Parameter	IESP600SH3	SUN-50K	S6-EH3P50K
Rated Output Power(W)	60000	50000	50000
Max. Apparent Power(VA)	66000	55000	50000
Rated Output Current(A)	91.2	75.8	76
Max. Output Current(A)	100.3	83.4	76
Switch Time	6ms	/	10ms

Battery Input Data

2

Number of Battery Input

All models support dual-channel
battery input

150A

Max. Charging/Discharging Current

The IESP600SH3 has a significant
leading edge

Comparison of battery voltage ranges

- IESP600SH3: 150-820V
- SUN-50K: 160-800V
- S6-EH3P50K: 150-800V

A wider voltage range ensures
more stable operating
performance



PV String Input Data



No. of MPPT Trackers

All models are equipped with 4-channel MPPT



Max. PV Access Power

The IESP600SH3 outperforms its competitors by 20%



Start-up Voltage

The industry's lowest starting voltage

Parameter	IESP600SH3	SUN-50K	S6-EH3P50K
Max. PV Input Power(W)	96000	80000	96000
Max.OperatingPV Input Current(A)	40*4	36*4	40*4
Max.Input Short-Circuit Current(A)	60*4	55*4	60*4



GRID/GENERATOR INPUT

200A

IESP600SH3 and SUN-50K Max. Bypass Overload Current

IESP600SH3

200A Max. Bypass Overload Current

SUN-50K

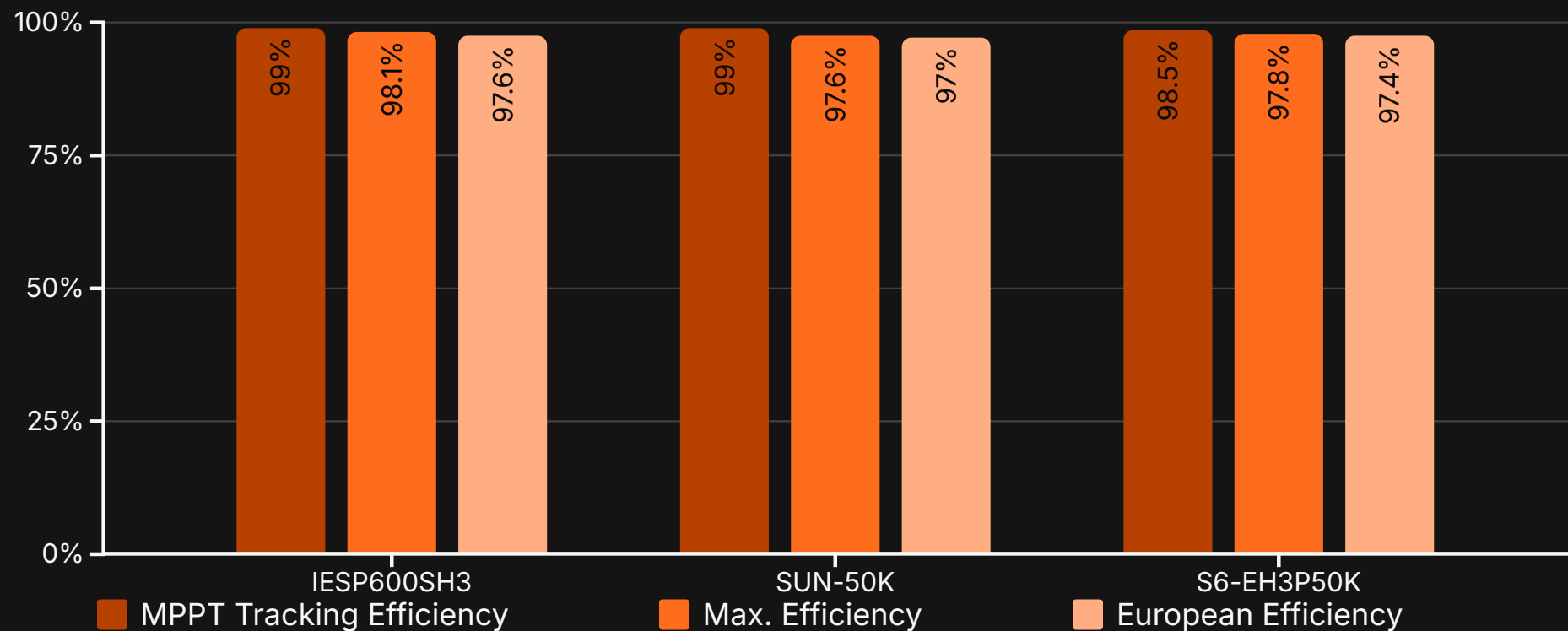
200A Max. Bypass Overload Current

S6-EH3P50K

152A Max. Bypass Overload Current

A higher overload current carrying capacity ensures the stable operation of the system under extreme conditions

Efficiency



The IESP600SH3 performs exceptionally well in all efficiency indicators, especially leading its peers in maximum efficiency and European efficiency

Summary of Parameter Advantages



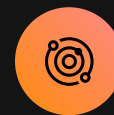
Power advantage

At the same price, the SRNE equipment achieves a rated output of 60kW and a maximum apparent power of 66kVA, which is 20% higher than that of its peers



Advantages on the battery side

Dual battery input, voltage range 150-820V, maximum charging current 150A, 20-30% faster than the industry standard 100A



Advantages on the PV side

Lower starting voltage, higher PV overconfiguration, larger input short-circuit current, and equipped with PV insulation abnormal protection function

Greater design margin, lower component pressure, longer machine life, and a 6ms switching time make power outages seem as if they never occurred

Summary of selling points

150V Ultra-low starting voltage for PV

The industry's top level, with the maximum photovoltaic over-provisioning capacity doubling. For the same 60kW machine, we can connect 120kW of photovoltaic power to it, while the traditional one only has 100kW. The power generation is directly increased by more than 10%!

150A Ultra-fast charging

Competitor 100A? We have 150A! The charging speed is 50% faster. No extra power is wasted during the day, and you can rest assured at night!

Super strong working condition · 1.6 times overload + 66kVA output

Generators, large motors, large pumps, heavy loads - while others lose power, we remain stable!

6ms switch time

Power outages are undetectable. Factories, hospitals, and communication base stations all dare to use it!

