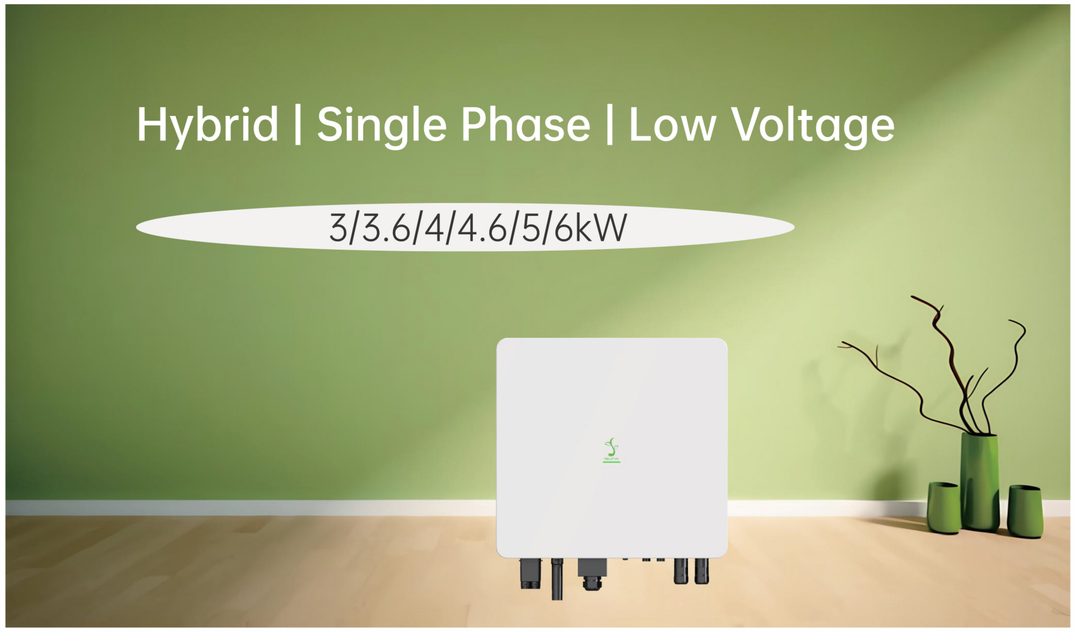

Product Features

- **SiC Technology 98% Efficiency**
- **6 Units Parallel**
- **Max. Input Current 18A 1.8 Times PV Array Input**
- **IP65 Protection**
- **<10ms On/Off-grid Switchover**
- **Natural Cooling (noise<25dB)**

SINEXCEL isuna

Model Name	Isuna 3000S	Isuna 3600S	Isuna 4000S	Isuna 4600S	Isuna 5000S	Isuna 6000S
Off-grid Output						
Nominal Output Power	3000W	3600W	4000W	4600W	5000W	6000W
Nominal Voltage	220V/230V/240V					
Nominal Frequency	50/60Hz					
Nominal Output Current	13.6A	16.4A	18.2A	20.8A	22.7A	27.2A
Output THDu	<2%					
On-grid Parameter						
Nominal Output Power	3000W	3600W	4000W	4600W	5000W	6000W
Max. Output Current	13.6A	16.4A	18.2A	20.8A	22.7A	27.2A
Nominal Grid Voltage	220V/230V/240V					
Max. Input Current from Grid	16.4A	22.7A		27.2A		
Grid Voltage Range	184-276V					
Frequency Range	45-65Hz					
PV Input						
Max. Input Power	6000Wp	7200Wp		8000Wp		9000Wp
Starting Voltage	95V					
Max. Input Voltage	600V					
MPPT Voltage Range	80-550V					
Full Load MPPT Voltage Range	350-500V					
Number of MPPT	2					
Max. Input String Per MPPT	1					
Nominal Input Voltage	360V					
Max. Input Current	18A/18A					
Battery Parameter						
Battery Type	Lithium-ion/ Lead-Acid （Optional）					
Nominal Battery Voltage	51.2V					
Battery Voltage Range	42-58V					
Max. Charging Voltage	≤60V					
Max. Continuous Charging/Discharging Current	75A	85A		100A		
Efficiency						
Max. Efficiency	97.5%		97.8%		98.0%	
European Efficiency	97.2%		97.3%		97.5%	
Max. Battery Charging/ Discharging Efficiency	95.2%					
General Data						
Size(W*H*D)	500mm*470mm*180mm					
Weight	21kg					
Noise	<25dB(A)					
Operating Temperature Range	-25℃~+60℃					
Cooling Method	Natural Cooling					
Ingress Protection Grade	IP65					
Mornitoring	LED/APP/WIFI/4G/Bluetooth					
Communication Port	RS485/CAN/DRED/Dry contact/Parallel port					
Protection	DC Switch;PV Insulation Resistance Detection;residual current monitoring;Anti-islanding protection;AC Short circuit protection;AC Overvoltage and overload protection;AC Overvoltage protection:LEVEL III； PV&Battery:LEVEL II;Surge protection;Lightning protection;Reverse polarity protection(PV&Battery)					
Certification						
CE_LVD	IEC 62109-1, IEC 62109-2, EN 62109-1, EN 62109-2					
CE_EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN 62920					
Grid	VDE-AR-N 4105, C10-11,G98/G99, CEI 0-21, EN50549,NRS 097-2-1, R25,UNE 217001 UNE 217002,NTS 2.1, PEA, MEA, NC RfG					

https://www.sinexcel-isuna.com/en/