



Shenzhen Sinexcel Isuna Energy Technology Co.,Ltd

Email: hes@sinexcel.cn

Tel: 0755-8651-1588

Website: <https://www.sinexcel-isuna.com>

Address: 1002 Songbai Rd,Nanshan Shenzhen China 518000



If the size and parameters of the product change, please refer to the latest object.

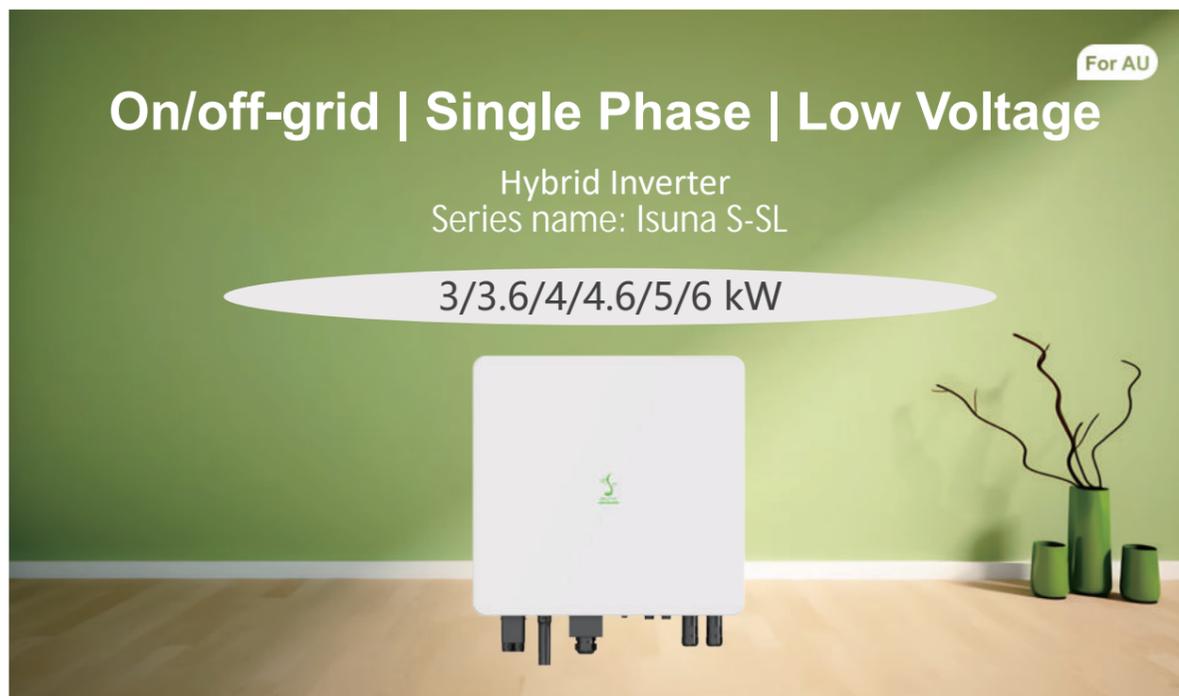


Residential Solar Storage Inverter

Product Brochure

Power with Isuna, Energy with Ease





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
Output Apparent Power	3000VA	3600VA	4000VA	4600VA	5000VA	6000VA
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/off-grid Switch-over Time	<10ms					
On-grid Parameter						
Nominal Output Power	3000W	3600W	4000W	4600W	5000W	6000W
Rated Output Power	3000VA	3600VA	4000VA	4600VA	5000VA	6000VA
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					
Max. Output Power	3kVA	3.6KVA	4KVA	4.6KVA	5KVA	6KVA
Max. Input Power from Grid	3.6KVA	5KVA	5KVA	6KVA	6kVA	6KVA
Nominal Output Current	13.6A	16.4A	18.2A	20.8A	22.7A	27.2A
Rated Grid Frequency	50Hz/60Hz					
Power factor	-0.8~0.8					
THDi(@ Nominal power)	<3%					

Model Name	Isuna 3000S	Isuna 3600S	Isuna 4000S	Isuna 4600S	Isuna 5000S	Isuna 6000S
PV Input						
Max. Input Power	6000Wp	7200Wp		8000Wp		9000Wp
Starting Voltage	95V					
Max. Input Voltage	600V					
MPPT Voltage Range	80-550V					
Number of MPPT	2					
Max. Input String Per MPPT	1					
Nominal Input Voltage	360V					
Max. Input Current	18A/18A					
Short-Circuit Current	22A/22A					
Backfeed Current	0A					
Battery Parameter						
Battery Type	Lithium-ion					
Nominal Battery Voltage	51.2V					
Battery Voltage Range	42-58V					
Max. Charging Voltage	≤60V					
Max Batt Charge/Discharge Current	75A long-term	85A long-term		100A long-term		
Peak Charge/Discharge Current-Duration	82.5A-2s	93.5A-2s	93.5A-2s	110A-2s	110A-2s	110A-2s
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					
Operating Temperature	-25°C~+60°C (>55°C Derating)					
Cooling Method	Natural Cooling					
Ingress Protection Grade	IP65					
Mornitoring	LED/WIFI/4G/Bluetooth/RS485					
Communication Port	RS485/CAN/DRED/Dry contact/Parallel port					
Protection	Protective Class:I; DC Switch; AC Overvoltage Protection; AC Overcurrent Protection; AC Short Circuit Protection;Anti-islanding Method: Reactive power disturbance; Residual Current Monitoring; PV Insulation Resistance Detection; Surge Protection: LEVEL II;Reverse Polarity Protection(PV&Battery);Lightning Protection					
Topology	Non-isolation					
Certification						
CE-LVD	IEC 62109-1, IEC 62109-2, EN 62109-1, EN 62109-2, IEC 62477-1					
CE-EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 62920					
Grid	VDE-AR-N 4105, C10-11, G98/G99, CEI 0-21, EN50549, NRS 097-2-1, R25,UNE217001, UNE217002, NTS 2.1, PEA, MEA, NC RfG					
States country of manufacture						
China	Shenzhen Sinexcel Isuna Energy Technology Co., Ltd					