



Shenzhen Sinexcel Isuna Energy Technology Co.,Ltd

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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 5000T	Isuna 6000T	Isuna 8000T	Isuna 10000T	Isuna 12000T	Isuna 15000T	Isuna 18000T	Isuna 20000T
Off-grid Output								
Nominal Output Power	5kVA	6kVA	8kVA	10kVA	12kVA	15kVA	18kVA	20kVA
Peak Power-Duration	10kVA-60s		11kVA-60s	13.2kVA-60s	16.5kVA-60s	19.8kVA-60s	22kVA-60s	
Nominal Voltage	3/N/PE, 220/380Vac, 230/400Vac							
Nominal Frequency	50/60Hz							
Nominal Output Current	7.5A	9A	12A	15A	18A	22.5A	27A	30A
Output THDu	<3%							
On/off-grid Switch-over Time	<10ms							
On-grid Parameter								
Nominal Output Power	5kVA	6kVA	8kVA	10kVA	12kVA	15kVA	18kVA	20kVA
Max. Output Power	5.5kVA	6.6kVA	8.8kVA	11kVA	13.2kVA	16.5kVA	19.8kVA	22kVA
Max. Input Power from Grid	10kVA	12kVA	16kVA	20kVA	24kVA	30kVA	36kVA	40kVA
Max. Input Current from Grid	15A	18A	24A	29A	35A	44A	52A	58A
Max. Output Current	8A	10A	13A	16A	20A	24A	29A	32A
Nominal Output Current	7.5/7.2A	9/8.7A	12/11.6A	15/14.5A	18/17.4A	22.7/21.7A	27/26A	30/29A
Nominal Grid Voltage	3/N/PE, 220/380V, 230/400V, 240/415V							
Grid Voltage Range	184-276V/320-480V							
Rated Grid Frequency	50/60Hz							
Nominal Grid Frequency	45Hz~55Hz/55Hz~65Hz							
Power factor	-0.8~0.8							
THDi(@ Nominal power)	<3%							

Model Name	Isuna 5000T	Isuna 6000T	Isuna 8000T	Isuna 10000T	Isuna 12000T	Isuna 15000T	Isuna 18000T	Isuna 20000T
PV Input								
Max. Input Power	10000Wp	12000Wp	16000Wp	20000Wp	24000Wp	30000Wp	30000Wp	30000Wp
Max. Input Voltage	1000V							
Number of MPPT	2							
Max. Input String Per MPPT	2							
MPPT Voltage Range	130-960V							
Nominal Input Voltage	600V							
Starting Voltage	200V							
Max. Input Current	25A/25A							
Short-Circuit Current	30A/30A							
Backfeed Current	0A							
Battery Parameter								
Battery Type	Lithium-ion/Lead-Acid/Sodium-ion(optional)							
Number of Battery Input	2							
Battery Voltage Range	125-800V							
Full Load Battery Voltage Range	125-800V	125-800V	160-800V	210-800V	250-800V	300-800V	360-800V	400-800V
Battery Charging/Discharging Current	25A*2							
Peak Charging/Discharging Current-Duration	35A*2-60s							
Efficiency								
Max. Efficiency	98.20%							
European Efficiency	97.70%							
Max. Battery Charging/Discharging Efficiency	97.80%							
General Data								
Size(W*H*D)	573mm*509mm*219mm							
Weight	35kg							
Noise	<45dB							
Topology	No Isolation							
Operating Temperature	-25°C~+60°C							
Cooling Method	Intelligent Air 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; Input Reverse; Output Overvoltage, Overcurrent, Short Circuit; Anti-islanding; Residual Current Detection; Insulation Resistance Detection; Overvoltage Category:DC:II ; AC: III ; Surge Protection Level:DC:II ; AC: III ; Battery Input Reverse Connection Protection; Active Anti-islanding Method:Frequency Shift							
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, PEA, MEA, IEC 62116, IEC 61727 NRS 097-2-1, AS 4777.2, R25,UNE217001, UNE217002, NTS 2.1, NC RfG							
States country of manufacture								
China	Shenzhen Sinexcel Isuna Energy Technology Co., Ltd.							