

Hybrid Inverter

3/4/5/6/8/10/12kW



Smart Fan, Ultra Silence
Fan Running since 50%
Rated Power Output

Model Name	Isuna 3000SO	Isuna 4000SO	Isuna 5000SO	Isuna 6000SO	Isuna 8000SO	Isuna 10000SO	Isuna 12000SO
Off-grid Output							
Max. Output Power	3kVA	4kVA	5kVA	6kVA	8kVA	10kVA	12kVA
Output Voltage&Range	220Vac±10%						
Nominal Output Current	13.6A	18.2A	22.7A	27.2A	36.4A	45.4A	54.4A
Peak Power&Duration	4.5kVA(10s)	6kVA(10s)	8kVA(10s)	8kVA(10s)	12kVA(10s)	15kVA(10s)	15kVA(10s)
Grid Parameter							
Peak AC Input Current	60A				100A		
Max Load Power	8kW				16kW		
Nominal Grid Voltage	220Vac						
Grid Voltage Range	176-264V						
Nominal Grid Frequency	50/60Hz						
THDi	<3%						
PV Input							
Max. Input Power	6600W	8000W	9000W	9000W	14000W	18000W	18000W
Max. Input Voltage	500V						
Mppt Voltage Range	100-500V						
Number of MPPT	2				4		
Max. Input String Per MPPT	1						
Nominal Input Voltage	360V						
Starting Voltage	120V						
Max. Input Current	18A/18A				18A/18A/18A/18A		
Short-Circuit Current	22A/22A				22A/22A/22A/22A		
Battery Parameter							
Battery Type	Lithium-ion/Lead-Acid						
Nominal Battery Voltage	48V						
Battery Voltage Range	42-58V						
Max. Charging Voltage	58V						
Lead-Acid Charging Curve	3 stages						
Max. Charging Current	60A	80A	100A		200A		
Max. Discharging Current	60A	80A	100A	120A	200A		
Efficiency							
Max. Efficiency	97.40%		97.50%		97.40%	97.50%	
European Efficiency	97.20%		97.30%		97.20%	97.30%	
Max. Battery Charging/Discharging Efficiency	94.00%						
General Data							
Size(W*H*D)	360mm*470mm*114mm				400mm*620mm*210mm		
Weight	14kg				29kg		
Noise	<25dB						
Operating Temperature	-25℃~+60℃（>55℃ Derating）						
Cooling Method	Intelligent Air Cooling						
Parallel Units	6				1		
Warranty	5 years						
Ingress Protection Grade	IP20						
Communication Method	LED/LCD/WIFI/Bluetooth/RS485						
Communication Port	CAN + RS485						
Protection	Reverse Polarity Protection; Over Current/Voltage Protection; AC Short-circuit Protection; PV Ground Fault Monitoring; Over Temperature Protection						
Certification							
CE-LVD	EN 62109-2:2011, EN 62109-1:2010						
CE-EMC	EN 61000-6-1, EN 61000-6-2						