

01

Single Phase Off-grid Hybrid Inverter



02

Typical Configuration



03 Off-grid Datasheet



Model name	Isuna 3000SO	Isuna 4000SO	Isuna 5000SO	Isuna 6000SO
Off-grid Output				
Max. Output Power	3kVA	4kVA	5kVA	6kVA
Nominal Output Voltage	220Vac			
Output Voltage Range	220Vac±10%			
Nominal Output Current	13.6A	18.2A	22.7A	27.2A
Peak Power & Duration	4.5kVA(10s)	6kVA(10s)	8kVA(10s)	8kVA(10s)
Grid Parameter				
Max. AC Input Current	60A			
Norminal AC Voltage	220Vac			
AC Voltage Range	176-264V			
Nominal AC Frequency	50/60Hz			
THDi	<3%			
Battery Parameter				
Battery Type	Lithium-ion/Lead-Acid			
Nominal Battery Voltage	48V			
Battery Voltage Range	42-58V			
Max.Charging Voltage	58V			
Charging Curve	3 stages			
Max. Charging/Discharging Current	60A	80A	100A	100A
PV Input				
Max. DC Input Power	6600W	7000W	8000W	9000W
Starting Voltage	120V			
Input Voltage Range	100-500V			
MPPT Voltage Range	100-500V			
Full Load MPPT Voltage Range	350-450V			
Numbers of MPPT	2			
Max. Input String Per MPPT	1			
Nominal Input Voltage	360V			
Max. DC Input Current	13A/13A			
Max. Short-circuit Current	18A/18A			
Efficiency				
European Efficiency	97.2%		97.3%	
Max.Efficiency	97.4%		97.5%	
Max. Battery Charging/Discharging Efficiency	94.00%			
General Data				
Size(W*H*D)	360mm*470mm*114mm			
Weight	14kg			
Noise	< 45dB(A)			
Operating Temperature Range	-25°C~60°C (> 45°C power-down)			
Cooling Method	Air cooling			
Warranty	5 years			
Ingress Protection Grade	IP20			
Monitoring	LCD/LED/APP/WIFI/Bluetooth			
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	EN61000-6-1, EN61000-6-2			