



ISUNA | 10+ years in storage inverter

Sinexcel

Stock Code:300693



RESIDENTIAL Storage Inverter



Solar+Storage Hybrid Inverter



High Efficiency



Multi-unit Parallel



Wide Range of Power



Strong Battery Voltage Compatibility



VPP Interface Ready

Single Phase Off-grid Hybrid Inverter



Typical Configuration



Off-grid Datasheet

| 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 |
| Nominal Output Voltage | 220Vac | | | | | | |
| 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 | | | | | | | |
| Max. AC Input Current | 60A | | | | 100A | | |
| Norminal AC Voltage | 220Vac | | | | | | |
| AC Voitage Range | 176-264V | | | | | | |
| Nominal AC Frequency | 50/60Hz | | | | | | |
| THDi | <3% | | | | | | |
| Battery Parameter | | | | | | | |
| Battery Type | Lithium-ion/Lead-Acid | | | | | | |
| Nominal Battery Voltage | 48V/51.2V | | | | | | |
| Battery Voltage Range | 42-58V | | | | | | |
| Max.Charging Voltage | 58V | | | | | | |
| Charging Curve | 3 stages | | | | | | |
| Max. Charging Current | 60A | 80A | 100A | | 200A | | |
| Max. Discharging Current | 60A | 80A | 100A | 120A | 200A | | |
| PV Input | | | | | | | |
| Max. DC Input Power | 6600Wp | 7200Wp | 9000Wp | 10800Wp | 14400Wp | 18000Wp | 21600Wp |
| Starting Voltage | 120V | | | | | | |
| Input Voltage Range | 100-500V | | | | | | |
| MPPT Voltage Range | 100-500V | | | | | | |
| Full Load MPPT Voltage Range | 350-450V | | | | 320-500V | | |
| Numbers of MPPT | 2 | | | | 4 | | |
| Max. Input String Per MPPT | 1 | | | | | | |
| Nominal Input Voltage | 360V | | | | | | |
| Max. DC Input Current | 18A/18A | | | | | | |
| Max. Short-circuit Current | 22A/22A | | | | | | |
| Efficiency | | | | | | | |
| European Efficiency | 97.2% | | 97.3% | | 97.2% | | 97.3% |
| Max.Efficiency | 97.4% | | 97.5% | | 97.4% | | 97.5% |
| Max. Battery Charging/ Discharging Efficiency | 94.00% | | | | | | |
| General Data | | | | | | | |
| Size(W*H*D) | 360mm*470mm*114mm | | | | 480mm*500mm*200mm | | |
| Weight | 14kg | | | | 29kg | | |
| Noise | < 45dB(A) | | | | < 45dB(A) | | |
| Operating Temperature Range | -25°C-60°C (> 45°C power-down) | | | | | | |
| Cooling Method | Air cooling | | | | | | |
| Parallel Units | 6 | | | | 1 | | |
| 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 | | | | | | |