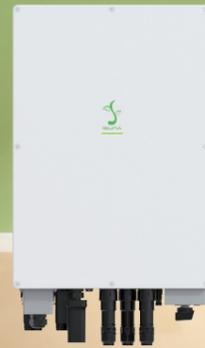


On/off-grid | Single Phase | Low Voltage

Hybrid Inverter

5/6/8/10/12kW



Product Features



SiC Technology,
Max.Efficiency 98.2%



2 Independent Battery Ports for Mixture Use of Old & New Battery



150%-200% PV Input Power,
3 MPPTs, PV Input Current 20A,
Higher Compatibility with PV Panel



150-340% Grid Input Power,
Max.18kW, Supplying to Loads
& Charging Battery in Parallel



166-400% Overload



165mm Ultra-thin, IP65



Executive Generator Port,
Smart Monitoring
Max.Generator Input
Current 82A



Battery Current 250A,
Battery Voltage 30-60V,
Support Compability
with Sodium-ion Battery



6 Units in Parallel (Off-grid Mode)
AFCl/PID Function (Optional)

Model Name	Isuna D5K-SL	Isuna D6K-SL	Isuna D8K-SL	Isuna D10K-SL	Isuna D12K-SL
Off-grid Output					
Rated Output Power	5kW	6kW	8kW	10kW	12kW
Max. Output Power	5.5kVA	6.6kVA	8.8kVA	11kVA	13.2kVA
Peak Power & Duration	20kVA(10s)*				
Max. Output Current	25A	30A	40A	50A	60A
Rated Output Voltage	L/N/PE, 220V/230V/240V				
Switching Time	<10ms				
GEN Max. Current	82A				
GEN Voltage Range	185-276V(P2N)				
On-grid Parameter					
Rated Output Power	5kW	6kW	8kW	10kW	12kW
Max. Output Power	5.5kVA	6.6kVA	8.8kVA	11kVA	13.2kVA
Max. Output Current	25A	30A	40A	50A	60A
Max. Input Power	18kVA				
Grid Frequency	50/60±5Hz				
PV Input					
Max. Input Power	18KW				
Max. Input Voltage	800V				
Number of MPPT	3				
Max. Input String Per MPPT	1/1/1				
MPPT Voltage Range	130-800V				
Starting Voltage	140V				
Max. Input Current	20A/20A/20A				
Short-Circuit Current	24A/24A/24A				
Battery Parameter					
Battery Type	Lithium-ion/Lead-Acid/Sodium-ion				
Number of Battery Input	2				
Battery Voltage Range	30-60V				
Battery Charging/Discharging Current	125A*2				
Efficiency					
Max. Efficiency	98.20%				
European Efficiency	97.70%				
Max. Battery Charging/Discharging Efficiency	95.00%				
General Data					
Size(W*H*D)	465mm*665mm*165mm				
Weight	36kg				
Noise	<45dB(A)				
Operating Temperature	-25°C~+60°C (>45°C Derating)				
Operating Altitude	4000m(>3000m Derating)				
Cooling Method	Intelligent Air Cooling				
Ingress Protection Grade	IP65				
Topology	Isolation				
Communication Port	RS485*1, Wi-Fi/4G dongle*1, DO*2, DRM*1				
Protection	DC Switch; Reverse Polarity Protection; AC Overvoltage/Overcurrent/Short Circuit Protection; Anti-islanding Protection; Residual Current Monitoring; Insulation Resistance Detection; Surge Protection:DC Type II / AC Type III; AFCl(Optional); PID(Optional)				
Certification					
CE-LVD	IEC62109-1&2, IEC62477-1				
CE-EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4 EN 61000-4-16, EN 61000-4-18, EN 61000-4-29				
Grid	VDE-AR-N 4105;VDE 0126-1-1 EN 50549-1;G98,G100; CEI 0-21;AS/NZS4777.2 NRS 097-2-1				

* Overload output is dependent on sufficient PV and battery energy