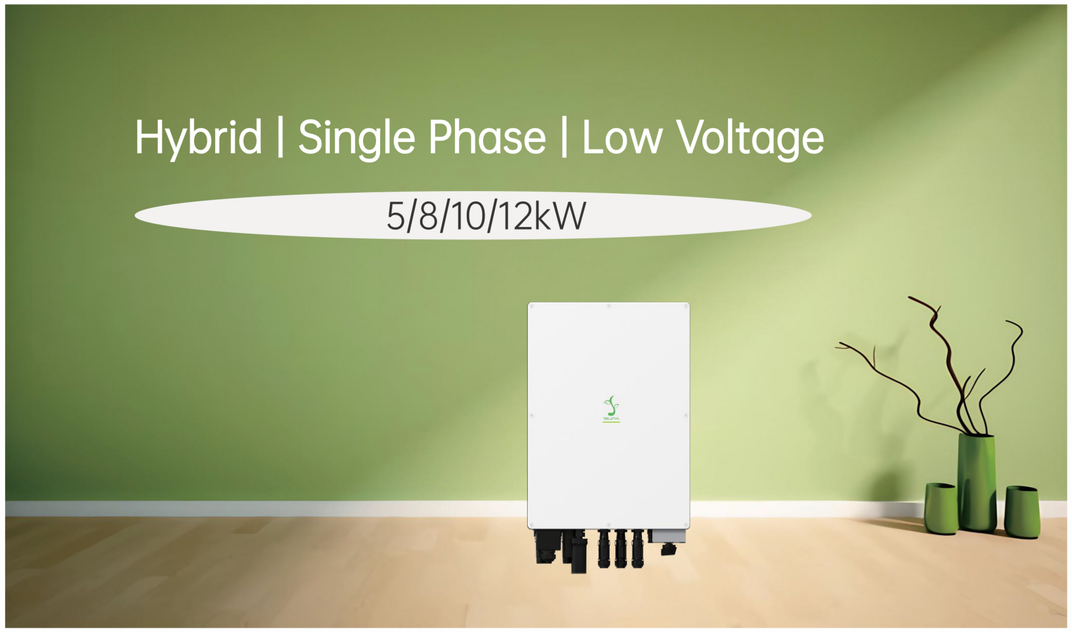

Product Features

- **120% Off-grid Output Overload**
- **SiC Technology**
- **Support OTA Upgrade**
- **165mm Ultra-thin**
- **2 Independent Battery Ports for Mixture Use of Old & New Battery**
- **Max. PV Input Current 20A**
- **Independent Generator Port Smart Monitoring**
- **3 MPPTs**
- **AFCI/PID Function**

Model Name	Isuna D5K-SL	Isuna D8K-SL	Isuna D10K-SL	Isuna D12K-SL
Off-grid Output				
Nominal Output Power	5kW	8kW	10kW	12kW
Max. Output Current	26A	42A	52A	62A
Peak Power & Duration	6kW-60s	9.6kW-60s	12kW-60s	14.4kW-60s
Nominal Output Voltage	L/N/PE, 220V/230V/240V			
Generator Port	Support			
On-grid Parameter				
Nominal Output Power	5kW	8kW	10kW	12kW
Max. Output Power	6kW	9.6kW	12kW	14.4kW
Max. Input Power from Grid	7.5kW	12kW	15kW	18kW
Max. Input Current from Grid	32.5A	52A	65A	80A
Max. Output Current	26A	42A	52A	62A
Nominal Voltage	L/N/PE, 220V/230V/240V			
Grid Voltage Range	185-276V(P2N)			
PV Input				
Max. Input Power	7500Wp	12000Wp	15000Wp	18000Wp
Max. Input Voltage	800V			
Number of MPPT	3			
Max. Input String Per MPPT	1/1/1			
MPPT Voltage Range	160-800V			
Nominal Voltage	600V			
Starting Voltage	160V			
Max. Input Current	20A/20A/20A			
Short-Circuit Current	24A/24A/24A			
Battery Parameter				
Battery Type	Lithium-ion/Lead-Acid/Sodium-ion（Optional）			
Number of Battery Input	2			
Battery Voltage Range	33-60V			
Max. Charging/Discharging Current	52.5A/52.5A	85A/85A	105A/105A	125A/125A
Peak Charging/Discharging Current&Duration	55A/55A-60s	90A/90A-60s	110A/110A-60s	130A/130A-60s
Communication Port	RS485/CAN			
Efficiency				
Max. Efficiency	98.20%			
European Efficiency	97.70%			
Max. Battery Charging/ Discharing Efficiency	96.0%			
General Data				
Size(W*H*D)	460mm*650mm*165mm			
Weight	28kg			
Noise	<45db			
Operating Temperature	-25℃~+60℃(>45℃ Derating)			
Cooling Method	Smart Cooling			
Protection Grade	IP65			
Topology	Isolation			
Monitoring	WIFI/4G/Bluetooth/RS485			
Protection	DC Switch;Reverse Polarity Protection(BAT);AC Overvoltage/Overcurrent/Short Circuit Protection;Anti-islanding Protection;Residual Current Monitoring;Insulation Resistance Detection;Surge Protection:DC Type II / AC Type III;AFCI(Optional);PID(Optional)			
Certification				
CE-LVD	IEC62109-1&2, IEC 62477-1			
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;			