Product Features

- **200% Off-grid Output Overload**
- **SiC Technology**
- **Support OTA Upgrade**
- **180mm Ultra-thin**
- **2 Independent Battery Ports for Mixture Use of Old & New Battery**
- **Support Altitude 5000m（>3000m Derating)**
- **Independent Generator Port Smart Monitoring**
- **4 MPPTs**
- **AFCI Function**

SINEXCEL isuna

Model Name	Isuna U5K-PH-US	Isuna U6K-PH-US	Isuna U8K-PH-US	Isuna U10K-PH-US	Isuna U12K-PH-US	Isuna U15K-PH-US	Isuna U20K-PH-US
Off-grid Output							
Norminal Output Power	5kW	6kW	8kW	10kW	12kW	15kW	20kW
Norminal Output Current L-N	21A	25A	33.5A	41.7A	50A	62.5A	83.5A
Max. Output Power	110% for long term 160% in 10s 200% in 100ms*						
Norminal Frequency	50Hz/60Hz						
Diesel Port AC Input Power	48kW						
Diesel Port AC Input Power L1-L2	200A						
Off-grid Switching Time	<8ms						
On-grid Parameter							
Norminal Output Power	5kW	6kW	8kW	10kW	12kW	15kW	20kW
Norminal Output Current L-N	21A	25A	33.5A	41.7A	50A	62.5A	83.5A
Norminal Grid Voltage	120V/240V/208V(Single phase/split phase can be set manually)						
Norminal Grid Input Power	48kW						
Norminal Grid Input Current L1-L2	200A						
PV Input							
Max. DC Input Power	10000Wp	12000Wp	16000Wp	20000Wp	24000Wp	30000Wp	30000Wp
Starting Voltage	95V						
MPPT Voltage Range	80-500V						
Number of MPPT	4						
Max. Input String Per MPPT	1/1/1/1	1/1/1/1	1/1/1/1	1/1/1/1	1/1/1/1	2/2/1/1	2/2/2/2
Max. DC Input Current	18A	18A	18A	18A	18A	36/36/18/18A	36A
Max.Short-circuit Current	22A	22A	22A	22A	22A	44/44/22/22A	44A
Battery Parameter							
Battery Type	Lithium-ion/Lead-Acid/Sodium-ion（Optional）						
Battery Voltage Range	80-480V						
Battery Charging/ Dischargeing Current	50A+50A						
Efficiency							
Max. Efficiency	97.7%						
CEC Efficiency	97.3%						
PV-Battery Charging Efficiency	98%						
Max.Charging/Discharging Efficiency	96.8%						
General Data							
Size(W*H*D)	800*470*180mm						
Weight	48kg（TBD）						
Protection Grade	IP66/NEMA 4X						
Warranty	10 Years						
No-load Loss	60W						
Protection	DC Switch; Ground Fault Detection; PV Quick Shutdown Control; PV Arc Fault Detection; PV Input Lightning Protection; PV Reverse Polarity Protection; Battery Reverse Protection; Surge Protection:DC Type II /AC Type II; AC Grid Input Circuit Breaker						
Communication	WiFi LAN 4G Bluetooth						
Certification							
CE-LVD/EMC	UL 1741, CSA 22.2 No. 107-01, UL 1998, UL1699B / FCC part15 CLASS B						
Grid	UL1741 SB, California Rule 21, HECO Rule 14, IEEE 1547, IEEE 1547.1						

*Overload output must include sufficient PV output,200% output must work with battery voltage under 470V