

SL320-350KRM-W NEW

String Inverter for 1500 Vdc System



High Yield

- Max. Efficiency 99.0%, European Efficiency 98.5%;
- SiC power components to increase power generation;
- 130% PV array oversizing, 110% AC output overloading, 70 A input current per string to compatible with large current PV modules;
- Intergrated anti-PID (Potential Induced Degradation) functions, Significantly reduce the negative effect of PID;



Safe and Reliable

- Aluminum die casting shell with reinforcing bars, 3 layer effective waterproof design, to resist harsh environment;
- Adapt film bus capacitors to improve reliability of system;
- Type II AC&DC Surge Protection;
- IP66 protection rating, C5 anti-corrosion rating, high environmental adaptability system Integration;
- Supports AFCI Protection, preventing sparking or arcing that may potentially cause an electrical fire;



User-friendly

- Independent AC terminal box design, save 30% installation time;
- Firmware update remotely or by USB interface;
- Online monitoring by slenergy Smart M app, via RS485/USB/Bluetooth, supports 4G/WiFi;
- Quick & Easy-to-install with basic tools, LED indicators for different status;



Smart Management

- Supports intelligent automatic I-V curve scanning for fault diagnosis, precise positioning of the abnormal string;
- Free online real-time monitoring of system power generation and energy management for end user, installer and retailer.

Model	SL320KRM-W	SL350KRM-W
Input Data (DC)		
Max. Input Power	416 kW	455 kW
Max. DC Voltage	1500 V	
Start-up Voltage	550 V	
Nominal Voltage	1080 V	
MPPT Voltage Range	500-1500 V	
No. of MPP Trackers	6	
No. of PV Strings per MPP Tracker	5	
Max. Input Current per MPP Tracker	70 A	
Max. Input short Current per MPP Tracker	125 A	
Output Data (AC)		
Nominal Output Power	320 kW	350 kW
Max. AC Apparent Power	352 kVA	385 kVA
Nominal AC Voltage	460 V/800 V , 3L/PE	
AC Grid Frequency	50/60 Hz	
Frequency Range	(45-55)/(55-65) Hz	
Max. Output Current (PF=0.9)	254 A	277.8 A
Power Factor	> 0.99	
Adjustable Power Factor	0.8 leading...0.8 lagging	
THDi	<3%	
Efficiency		
Max. Efficiency	99.0%	
European Efficiency	98.5%	
MPPT Efficiency	99.9%	
Protection		
DC Reverse Polarity Protection	Yes	
DC Switch	Yes	
DC Surge Protection	Type II	
PID Repair	Optional	
Insulation Resistance Monitoring	Yes	
Residual-current Monitoring Unit	Yes	
AC Short-circuit Protection	Yes	
AC Surge Protection	Type II	
Grid Monitoring	Yes	
Anti-islanding Protection	Yes	
String Fault Monitoring	Yes	
AFCI Protection	Optional	
General Data		
Dimensions (W×H×D)	1030 x 810 x 350 mm	
Weight	100 kg	
Operating Temperature Range	-25° C- +60° C (45° C derating)	
Relative Humidity	0-100%	
Altitude	4000m (> 3000 m derating)	
Self-consumption at Night	<6 W	
Topology	Transformerless	
Cooling	Intelligent Air Cooling	
Ingress Protection Rating	IP66	
Guarantee Period	5 Years / 10 Years (Optional)	
Display	LED	
Communication	Yes:RS485/USB, Optional:4G/WiFi/Bluetooth	
Standards Compliance		
Grid Connection	NB/T 32004, G98/G99, VDE 0126/4105/0124, EN 50549-1/2, CEI0-21/CEI0-16, AS 4777.2, IEC 61727/62116, PEA, MEA, RD1699/661/413/244/2019, UNE 206006/206007, NTS Type B&C, UNE 217002/217001	
Safety Standards	EN/IEC 62109-1/2	
Others	EN/IEC 61000-6-1/2/3/4, IEC 61683 , IEC 60068(1,2,14,30)	