

SL320-350KRM-W NEW

Utility Scale Solar Inverter (1500V)



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;



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;



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;



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, CEIO-21/CEIO-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)	