

# SLX 60-1000 SLX 65-1000

## 3-PH Transformerless Commercial Inverters

### Features

- Designed, built and tested in USA
- Built to last
- Lowest cost of labor/installation
  - Access to all inverters on-site via wifi from one location
- Lowest cost of O&M
  - Remote diagnostics
  - Remote software & firmware upgrades
- 5-90° installation angles
- 4 MPPTs
- Advanced Grid Features
- Integrated AFCI

### Options

- Plug & play MC4 or H4 connectors
- Web-based monitoring
- Revenue grade metering
- Extended warranty
- Uptime guarantee



Yaskawa - Solectria Solar's SLX 1000 line of inverters have the highest quality and reliability. Components have been tested and proven to last beyond their warranty. They have also been tested to meet and exceed the latest IEEE/UL standards for safety. The SLX was designed, built and tested in the USA. Offering a wide mounting angle range (5-90°), the SLX 1000 inverter can be installed to comply with array level rapid shutdown requirements of the NEC.



## Preliminary

	SLX 60-1000	SLX 65-1000
<b>DC Input</b>		
Absolute Maximum Input Voltage	1000 VDC	
Maximum Power Input Voltage Range (MPPT)	580-850 VDC	600-850 VDC
Operating Voltage Range	300-950 VDC	
MPP Trackers	4	
DC Connections (Fused Options)	4 per MPPT	
Maximum Operating Input Current (per MPPT)	26.4 A per MPPT	27.6 A per MPPT
Maximum Operating PV Power (per MPPT)	15.3 kW per MPPT	16.6 kW per MPPT
Maximum Recommended DC to AC Ratio	1.5	
Maximum Rated PV Input (per MPPT)	22.5 kW per MPPT	24.4 kW per MPPT
<b>AC Output</b>		
Nominal Output Voltage	480 VAC, 3-Ph	
AC Voltage Range	-12/+10%	
Continuous Output Power	60 kW	65 kW
Continuous Apparent Output Power	60 kVA	65 kVA
Maximum Output Current	72 A	78 A
Nominal Output Frequency	60 HZ	
Power Factor	Unity, > 0.99 (Adjustable -0.85 to +0.85), factory set 1	
Total Harmonic Distortion (THD) @ Rated Load	<3%	
Grid Connection Type	3-Ph + N/GND	
<b>Efficiency</b>		
Peak Efficiency	98.5%	
CEC Efficiency	98.0%	
Tare Loss	<1 W	
<b>Temperature</b>		
Ambient Temperature Range	-40°F to +140°F (-40°C to 60°C); derate at 122°F (50°C)	-40°F to +140°F (-40°C to 60°C); derate at 113°F (45°C)
Storage Temperature Range	-40°F to +167°F (-40°C to +75°C)	
Relative Humidity (non-condensing)	0-95%	
Operating Altitude	9,842 ft (3,000 m)	
<b>Communications</b>		
Advanced Graphical User Interface	WiFi	
Communication Interface	RJ-45 Ethernet	
3rd Party Monitoring Protocol	Sunspec Modbus TCP/IP	
Web-Based Monitoring	Optional	
Revenue Grade Metering	Optional	
Firmware Updates	Remote/Local	
<b>Testing &amp; Certifications</b>		
Safety Listings & Certifications	UL1741/IEEE 1547, UL 1699B, UL 1998, FCC part 15B	
Testing and Certification Agency	ETL	
<b>Warranty</b>		
Standard	10 year	
Optional	15 or 20 year, Extended Service Agreement, Uptime Guarantee	
<b>Enclosure</b>		
dBA (Decibel) Rating	55 dBA @ 1 m	
DC Disconnect (Integrated)	Standard	
Mounting Angle Range	5-90°	
Dimensions (H x W x D)	45.8 in x 28.3 in x 11.6 in (1163 x 719 x 295 mm)	
Weight	Inverter: 117 lbs (53.07 kg); Wiring Box: 49 lbs (22.22 kg)	
Enclosure Rating	NEMA Type 4	
Enclosure Finish and Type	Powder Coated Aluminum	