

# Maximize your ROI

## Conext™ CL-60 String Inverter

The ideal solution for decentralized power plants and large commercial buildings.



### Solution at a glance

The Conext™ CL-60 string inverter offers a highly integrated configuration, easy installation, commissioning and services, and world-leading efficiency performance.

It increases energy generation and reduces both CAPEX and OPEX. Along with Schneider Electric's rigorous reliability procedures, the Conext CL-60 is guaranteed for long-term and superior reliability.

The Conext™ CL-60 is the ideal choice for large commercial projects. It is built for distributed power generation architecture and compatible with a broad range of Schneider Electric MV products as well as Conext™ Gateway and Insight 2 for easier remote asset management and troubleshooting. We provide a complete system solution for peace of mind.

### Higher return on investment

- Integrated wiring box reduces your CAPEX
- String monitoring included
- 66/63.4 kW continuous active power<sup>1</sup> reduces total inverters per MW

### Designed for reliability

- Robust design through rigorous Multiple Environmental Over Stress Testing (MEOST), Highly Accelerated Life Test (HALT) and Temperature Humidity and Bias testing (THB)
- Design and qualified for applications in tropical environments

### Ease of installation and service

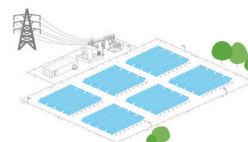
- Pre-wired PV quick connectors
- Zero tilt for flat mounting

### Solution to support grid connectivity

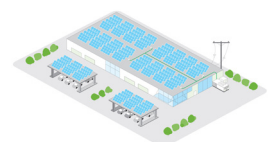
- Broad range of MV products to provide you with a total solution
- Embedded grid support features



We're honored to announce that Schneider Electric's Conext™ CL-60A is named as a Top Performer in PV Evolution Labs' (PVEL) PV Inverter Reliability Scorecard. The PVEL PV Inverter Reliability Scorecard is designed to provide with insight into long-term reliability of inverters. The Conext™ CL-60A has been identified as a top performer in multiple tests including MPPT efficiency, conversion efficiency, energy harvest, and power thermal cycling.



Distributed power generation



Large commercial rooftops

# Technical specifications

## Higher power and all-inclusive design to reduce your CAPEX

Device short name	CL-60E (IEC Standard)	CL-60A (North America Standard)
<b>DC Side</b>		
DC max. input voltage	1000V	1000V
DC full power MPPT voltage range (PF=1)	570 - 850 V	550 - 850 V
DC operating voltage range at nominal AC voltage	570 - 950 V	550 - 950 V
DC start voltage at nominal AC voltage	620 V	620 V
DC max. array short circuit current	140 A	140 A
DC max. PV operating current	120 A	120 A
Number of MPPT / max. number of inputs per MPPT	1 / 14	1 / 8 (Y connector recommended for up to 14 strings)
DC connectors / DC max. current per input	MC4 / 12 A (mating part included)	Amphenol H4 /25 A (mating part included)
DC fuses (included)	14 pairs (+), string monitoring included	8 pairs (+/-), string monitoring included
DC switch / DC SPD / AFD	Yes / Type II surge arrester / Null	Yes / Type II surge arrester / Yes
<b>AC Side</b>		
AC max. output power <sup>1</sup>	66 kW	63.4 kW
AC max. continuous apparent power (at nominal AC voltage)	66 kVA	63.4 kVA
AC nominal output voltage / AC operating voltage range	400 V / 310 – 480 V	380 V / 295 - 456V
AC nominal frequency / Frequency range	50 Hz and 60 Hz / 45-55 Hz and 55-65 Hz	60 Hz / 55-65 Hz
AC max. continuous output current	96 A	96 A
Power factor range	0.8 lead to 0.8 lag adjustable	0.8 lead to 0.8 lag adjustable
THD at nominal power	< 3%	<3%
AC terminal	Screw clamp terminal, AL - CU type cable compatible	Screw clamp terminal, AL - CU type cable compatible
AC disconnect	Not applicable	Included
AC connection	4 wire grounded WYE and ungrounded DELTA	4 wire grounded WYE and ungrounded DELTA
<b>General Specifications</b>		
Part numbers	PVSL60E	PVSL60A
Peak efficiency / Euro or CEC efficiency	98.7 % / 98.5 %	98.7 % / 98.0 %
Power consumption at nighttime	< 1 W	< 1 W
Enclosure type protection class	IP 65	Type 4X
Weight	66 kg.	147 lb.
Inverter dimensions (H x W x D)	95.8 x 65.2 x 25.0 cm	38.9 x 25.7 x 9.8 in
Ambient air temperature for operation	-25°C to 60°C <sup>2</sup>	-13°F to 140 F <sup>2</sup>
Max. operating altitude	4000 m, derating > 3000 m	13123 ft, derating > 9842 ft
Relative humidity %	0...100% condensing	0...100% condensing
Audible noise	55 dBA +/- 3 dBA	55 dBA +/- 3 dBA
Inverter mounting	Vertical wall to 0° flat mounting	Vertical wall to 0° flat mounting
<b>User interface and communications</b>		
User interface	LCD display & EasyConfig Tool	LCD display & EasyConfig Tool
Communication interface	RS485-Modbus, Modbus-TCP (Daisy chain capability for both: Modbus RS485 Serial or Modbus TCP over Ethernet). Communication protocol - SunSpec compatible & certified	
<b>Regulatory approval</b>		
Safety, EMC, Efficiency and Environmental Standard <sup>3</sup>	IEC/EN 62109-1, IEC/EN 62109-2, EN 61000-6-2, EN 61000-6-3, IEC 61683, EN 50530, IEC 60068-2-1,2,14,30, EN 60529	FCC Class B, UL 1741-2nd edition, CSA C22.2 107.1, CEC efficiency standard, UL1699B
Grid code certifications <sup>3</sup>	VDE-0126-1-1, UTE C15-712-1, VDE-AR-N 4105, BDEW, IEC 61727, IEC 62116, G59/3, PEA, MEA	IEEE 1547, IEEE 1547.1
Environmental	RoHS, REACH and 4K4H	RoHS

<sup>1</sup>Maximum active power output at rated AC output voltage, unity power factor, full DC power input and within full power ambient temperature range. Please refer to the derating curve in Owners Guide.

<sup>2</sup>Refer to Owners Guide for more details.

<sup>3</sup>Certifications are subject to modification.