Life Is On | **Schneider** Electric

Conext™ CL-60 String Inverter

The ideal solution for decentralized power plants and commercial rooftops

solar.schneider-electric.com

Why the Conext™ CL-60 inverter? Lower CAPEX, lower OPEX and higher revenue potential

Lower startup costs (CAPEX)

- Easy to install, configure and commission
- Small housing, flexible configuration options

Lower operating costs (OPEX)

- Optimized system design for lower operating cost-per-watt
- Weatherproof enclosure
- High reliability and easy servicing

Higher revenue potential

- 98.7% maximum efficiency
- 66/63.4 kW continuous active power reduces total inverters per MW

Global support

- Backed by a bankable company with 180 years of history
- A global support team, with personnel and parts in every major region

- **Tough, durable design** tested with Multiple Environmental Over Stress Testing (MEOST), Highly Accelerated Life Test (HALT) and Temperature, Humidity and Bias testing (THB)
- **Vertical or horizontal mounting** to tuck underneath solar panels and allow for a larger PV array
- Schneider Electrics broad range of **LV and MV products** provide complete Balance of System (BoS) for commercial, industrial and utility scale applications

Bonnat, France

Life Is On   **Schneider** Electric

Conext™ CL-60 String Inverter

High efficiency to maximize your ROI

Technical Specifications

Device short name	CL-60 E (IEC)	CL-60 A (UL)
DC Side		
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	160 A	200 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 16 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
AC Side		
AC nominal output power	60 kW	60 kW
AC max. continuous apparent power (1 PU)	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 nominal output current	87A	91A
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	100 A AC switch
AC connection	4 wire grounded WYE and ungrounded DELTA	4 wire grounded WYE and ungrounded DELTA
General Specifications		
Peak efficiency / Euro or CEC efficiency	98.9% / 98.7%	98.8% / 98.5%
Power consumption at night time	< 1 W	< 1 W
Enclosure type protection class	IP 65	NEMA 4X
Weight	58 kg.	128 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 to 60ºC, derating > 50ºC [1]	-13ºF to 140ºF, derating > 122ºF [1]
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 0º flat mounting	Vertical wall to 0º flat mounting
User interface and communications		
User interface	LCD display	LCD display
Communication interface	RS485-Modbus, Modbus-TCP (optional, Daisy chain over RS485 as well as TCP), SunSpec profile compliant	
Regulatory approval		
Certifications (pending)	VDE0126-1-1, EN62109-1, EN62109-2, G59/3, BDEW	UL 1741, IEEE 1547, CSA C22.2#107.1, FCC Part 15 Sub-part B, Class B Limits, Rule 21
Environmental	RoHS, REACH and 4K4H	RoHS

[1] Refer to Owners Guide for more details

Life Is On | Schneider Electric

Life Is On | **Schneider** Electric