

Main

Range of product	Conext RL
Device short name	RL 3000 E
Product or component type	Grid-tie solar inverter
Network number of phases	Single phase
Nominal output power	3 kVA

Complementary

Photovoltaic power	3.2 kW input power for maximal output power 3.2 kW input power per MPPT
Output voltage	230 V AC (nominal) 184...276 V AC
Number of MPPT	2
Output current	13.9 A AC
Network frequency	50/60 Hz +/- 5 Hz (output)
Cos phi	0.8 leading to lagging
Harmonic distortion	< 3 %
Input voltage	160...500 V DC MPPT <= 550 V DC open circuit 90...550 V DC operating 100 V DC at start
Input current	<= 10 A
Efficiency	97 % European 97.5 % peak
Power consumption in W	< 1 W night time
Topology	Transformerless
Function available	Embedded data logger for 365 days Standard integrated DC disconnect (optional)
Relay type	Multifunction control relay
Display type	LCD

Messages display capacity	2 lines of 16 characters
Communication interface	Modbus (RS485) Ethernet (optional) WiFi (optional)
Connector type	Multicontact MC4 - input) - (IP67 - output)
Type of cooling	Natural convection
Height	42 cm
Width	48 cm
Depth	16 cm
Product weight	20 kg
Acoustic level	< 40 dBA
Enclosure material	Aluminium
Marking	CE

Environment

IP degree of protection	IP65 (balance) IP65 (electronic)
Ambient air temperature for operation	-20...65 °C
Electromagnetic compatibility	Emission standard for residential, commercial and light-industrial environments conforming to EN 61000-6-3 Immunity for industrial environments conforming to EN 61000-6-2
Standards	AS 3100 CEI 0-21 RD 1699 UTE C 15-712-1 VDE-AR-N 4105 IEC 61727 IEC 62116 AS 4777 AS 5033 EN 50438 G83/2 VDE 0126
Operating altitude	< 2000 m
Relative humidity	4...100 % (condensing)
Environmental characteristic	REACH Stationary use at non-weatherprotected locations, category 4K4H conforming to IEC 60721-3-4
Directives	2004/108/EC - electromagnetic compatibility 2006/95/EC - low voltage directive

Contractual warranty

Warranty period	5 Years
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Main

Range of product	Conext RL
Device short name	RL 4000 E
Product or component type	Grid-tie solar inverter
Network number of phases	Single phase
Nominal output power	4 kVA

Complementary

Photovoltaic power	3.2 kW input power per MPPT 4.2 kW input power for maximal output power
Output voltage	230 V AC (nominal) 184...276 V AC
Number of MPPT	2
Output current	18.2 A AC
Network frequency	50/60 Hz +/- 5 Hz (output)
Cos phi	0.8 leading to lagging
Harmonic distortion	< 3 %
Input voltage	<= 550 V DC open circuit 180...500 V DC MPPT 90...550 V DC operating 100 V DC at start
Input current	<= 12 A
Efficiency	97 % European 97.5 % peak
Power consumption in W	< 1 W night time
Topology	Transformerless
Function available	Embedded data logger for 365 days Standard integrated DC disconnect (optional)
Relay type	Multifunction control relay
Display type	LCD

Messages display capacity	2 lines of 16 characters
Communication interface	Modbus (RS485) Ethernet (optional)
Connector type	Multicontact MC4 - input) - (IP67 - output)
Type of cooling	Natural convection
Height	42 cm
Width	48 cm
Depth	16 cm
Product weight	21 kg
Acoustic level	< 40 dBA
Enclosure material	Aluminium
Marking	CE

Environment

IP degree of protection	IP65 (balance) IP65 (electronic)
Ambient air temperature for operation	-20...65 °C
Electromagnetic compatibility	Emission standard for residential, commercial and light-industrial environments conforming to EN 61000-6-3 Immunity for industrial environments conforming to EN 61000-6-2
Standards	AS 3100 CEI 0-21 RD 1699 UTE C 15-712-1 VDE-AR-N 4105 IEC 61727 IEC 62116 AS 4777 AS 5033 EN 50438 G83/2 VDE 0126
Operating altitude	< 2000 m
Relative humidity	4...100 % (condensing)
Environmental characteristic	REACH Stationary use at non-weatherprotected locations, category 4K4H conforming to IEC 60721-3-4
Directives	2004/108/EC - electromagnetic compatibility 2006/95/EC - low voltage directive

Contractual warranty

Warranty period	5 Years
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Main

Range of product	Conext RL
Device short name	RL 5000 E
Product or component type	Grid-tie solar inverter
Network number of phases	Single phase
Nominal output power	5 kVA

Complementary

Photovoltaic power	3.2 kW input power per MPPT 5.3 kW input power for maximal output power
Output voltage	230 V AC (nominal) 184...276 V AC
Number of MPPT	2
Output current	23.2 A AC
Network frequency	50/60 Hz +/- 5 Hz (output)
Cos phi	0.8 leading to lagging
Harmonic distortion	< 3 %
Input voltage	<= 550 V DC open circuit 180...500 V DC MPPT 90...550 V DC operating 100 V DC at start
Input current	<= 18 A
Efficiency	97 % European 97.5 % peak
Power consumption in W	< 1 W night time
Topology	Transformerless
Function available	Embedded data logger for 365 days Standard integrated DC disconnect (optional)
Relay type	Multifunction control relay
Display type	LCD

Messages display capacity	2 lines of 16 characters
Communication interface	Modbus (RS485) Ethernet (optional)
Connector type	Multicontact MC4 - input) - (IP67 - output)
Type of cooling	Natural convection
Height	44.5 cm
Width	51 cm
Depth	17.7 cm
Product weight	24 kg
Acoustic level	< 40 dBA
Enclosure material	Aluminium
Marking	CE

Environment

IP degree of protection	IP65 (balance) IP65 (electronic)
Ambient air temperature for operation	-20...65 °C
Electromagnetic compatibility	Emission standard for residential, commercial and light-industrial environments conforming to EN 61000-6-3 Immunity for industrial environments conforming to EN 61000-6-2
Standards	AS 3100 CEI 0-21 RD 1699 UTE C 15-712-1 VDE-AR-N 4105 IEC 61727 IEC 62116 AS 4777 AS 5033 EN 50438 G83/2 VDE 0126
Operating altitude	< 2000 m
Relative humidity	4...100 % (condensing)
Environmental characteristic	REACH Stationary use at non-weatherprotected locations, category 4K4H conforming to IEC 60721-3-4
Directives	2006/95/EC - low voltage directive 2004/108/EC - electromagnetic compatibility

Contractual warranty

Warranty period	5 Years
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