

Photovoltaic Inverter

KP100L

Highest Reliability and Quality, Fastest return of Investment in string inverters category.

1. Versatile matching : Thin films solar panel, Monocrystal and Polycrystal solar modules on the same inverter driven by different MPPT.
 * Suited for crystalline module that grounding isn't required.
 For the compatibility of thin-film module, please contact OMRON sales representative.
2. Top level performance : 3MPPT, Wide MPPT voltage range, Max peak output power (+10%).
3. Smart control for solar tracker : one stop solution.
 (control components and software)



NEW

Ordering Information

Description	Model	Applicable country
Photovoltaic Inverter	KP100L-OD-EU	Italy, Spain, France, Germany, Czech Republic, Portugal, Greece (Only Mainland), Denmark, Turkey, Republic of South Africa

Specification

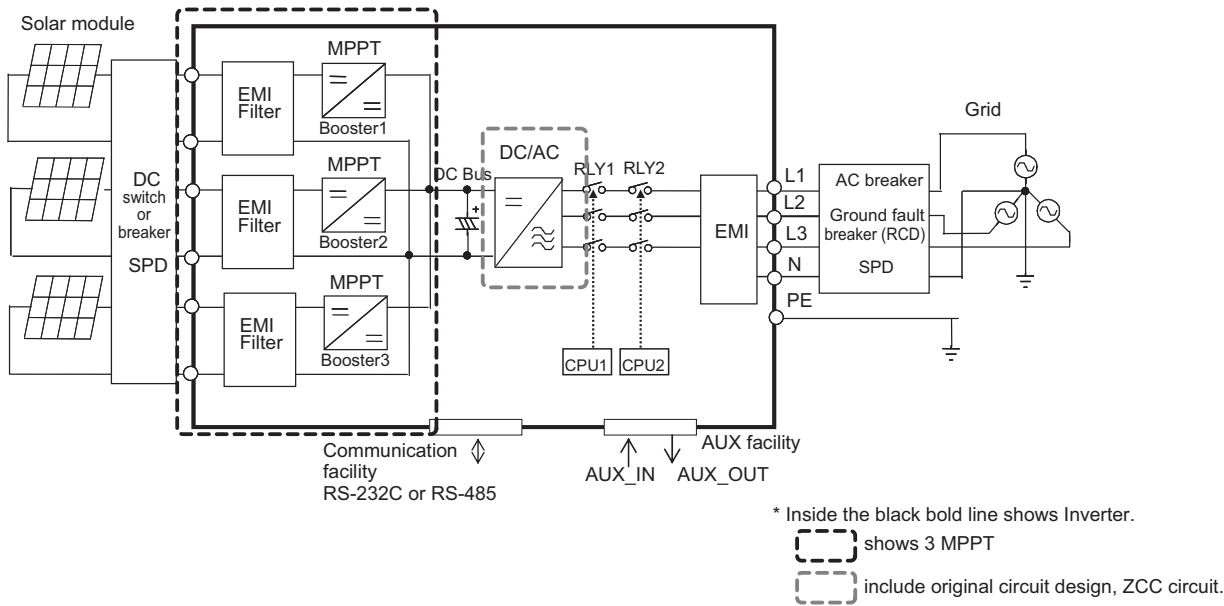
	Item	KP100L-OD-EU
DC Input	Max. open-circuit voltage	850 VDC
	DC voltage range	200 to 850 VDC
	MPPT voltage range	225 to 850 VDC
	Normal voltage	585 VDC
	Number of MPPT	3
	Type of DC terminals	MC4
	Max. current per one pair of DC terminals	13 ADC
	Max. power per one pair of DC terminals	5,500 W
AC Output	Nominal power	10,000W
	Peak power (10 minutes)	11,000W
	Nominal Output Current	14.5A
	Output voltage	230/400 VAC
	Nominal frequency	50Hz
	Output frequency range	45 to 55 Hz
	THD of output current	4% or less
	Power factor (cos phi)	1 (typical) (at output power 10kW)
Performance	Wiring system	3-phase 4-wire
	Max. efficiency	97.5%
	European efficiency	97.1%
	Standby consumption power	1 W or less
Certifications	Night time consumption power	1 W or less
	EMC	EN 61000-6-2, EN61000-6-3, EN61000-3-2
	Low voltage regulation	EN50178
	German regulation	VDE0126-1-1
	Spanish regulation	RD1663/2000
Other	Italian regulation	DK5940 Ed2.2
	Operation temperature range	-20 to + 60 °C
	Tolerable relative humidity	4 to 100%, non-condensing
	Degree of protection	Housing: IP65 (acc. To DIN EN60529)
	Cooling	Forced ventilation
	Dimensions (W × H × D)	455 × 700 × 270 mm
	Weight	Approx. 42kg
	Display	LCD (16 characters, 2 lines)
	Data transmission	RS-232C/RS-485
	Warranty	5 years (Option: 10 years)

KP100L

ZCC Circuit

Top Performance

The KP100L has 3 individual MPPT (Maxiam Power Point Tracker) decies and ensures high power efficiency and maximum power output at all times. Key to Omron's highly efficient technology is a special ZCC circuit that was developed together with a leading Japanese university.



Dimensions

(Unit: mm)

(OutLook)

