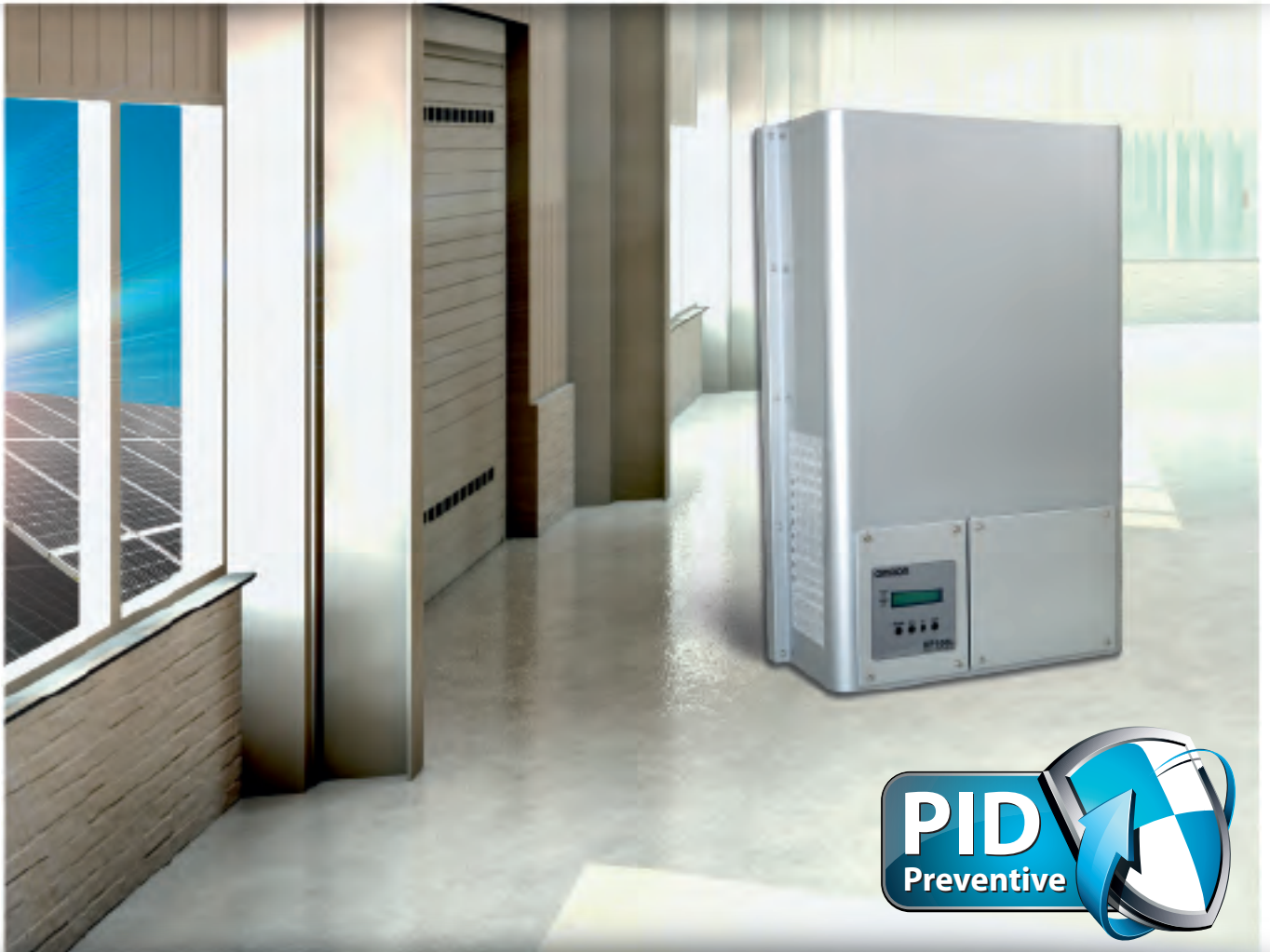


Photovoltaic Inverter

KP100L



Our transformer-less on grid photovoltaic inverter KP100L stops the problem of PID thanks to its innovative technology of ZCC circuits.

- Max. efficiency of 97.5%
- Wide MPPT voltage range
- 3 MPP trackers suitable for multiple and single use
- Extra peak capacity (nominal power + 10%)
- High efficiency in low-irradiation situation
- Balance 3 phase feed in
- Integrated smart functions for ancillary services to the grid

Technical information

Ordering information

Unit type	Input type	Output type	Environmental conditions	Built in Over Voltage Protection	Order code
Grid connected 3 phase PV inverter	3 × 13 A (maximum 33 A)	3 phase 4 wires	Outdoor (IP 65)	Yes, DC and AC side	KP100L-OD-EU

Specifications

		KP100L-OD-EJ	
Input (DC)	Nominal DC power	10,300 W	
	Max. DC power	11,500 W	
	Max. DC voltage	850 VDC	
	MPP voltage range	225 to 850 VDC	
	DC nominal voltage	585 VDC	
	Min. DC voltage	200 VDC	
	Max. input current per MPPT	13 A	
	Max. input current total	33 A	
Output (AC)	Number of MPP tracker	3	
	AC nominal power	10,000 W	
	AC peak power (max. 10 Min.)	11,000 W	
	Max. efficiency	97.5%	
	European efficiency	97.1%	
	Output voltage	230/400 VAC	
	Nominal frequency	50 Hz (±5 Hz)	
	Nominal output current	14.5 A	
	Power factor (cos phi)	0.85 leading ... 1 (typical) ... 0.9 lagging	
	Distortion factor THD	4% or less	
Number of connection phases	3-phase 4-wire		
Dimensions (WxHxD)	455 × 740 × 270 mm		
Weight	42 kg		
Operating temperature	-20 to 60°C		
Power consumption	< 1 W		
Climate class (per IEC 60721-3-4)	4K4H		
Degree of protection	Housing: IP65 (acc. to DIN EN60529)		
Features	Connection DC	MC-4(PV-KBT4/ PV-KST4)	
	Connection AC	Screw terminal	
	Communication	RS 485, RS-232C	
	Monitoring	Omron PVRemote/Solar-Log™/MeteoControl™	
	Cooling	Forced ventilation	
	Display	LCD	
	Grid anti-islanding control	AICOT™ included ¹	
	Built in Over Voltage Protection	Varistors and arrestors, Category III on AC side and Category II on DC side.	
	Warranty	5 years	
	Certifications	Low voltage regulation: EN 62109-1/-2 EMC: EN 61000-6-2, EN 61000-6-3, EN 61000-3-2 For the requested grid code contact your local Omron representative	
	Spare parts	<ul style="list-style-type: none"> Fans replacement kit: KP100L-OP-FAN MC4 replacement kit: KP100L-OP-MC4 	

¹ AICOT™ is an Omron technology protected by copyright which stays for: "Anti Islanding Control Technology".