

KP100L PHOTOVOLTAIC INVERTER

Highest quality - fastest return on investment

CO2削減

品質

系統保護

再生エネルギー



» Smart control for solar tracker

» Top performance

» Versatile matching

The right inverter every time

As a world leader in industrial automation, Omron has a reputation for high quality and reliability, which also extends to our range of PV solutions. Our commitment to this is reflected in the latest addition to our solar range - the KP100L. This new inverter offers smart control and advanced performance.

It can also be used with any kind of solar panel or monocrystal and polycrystal module.

This simplifies the selection task, making the KP100L Solar Inverter the right choice every time.

The KP100L's versatile matching enables monocrystal and polycrystal solar modules. Furthermore, three MPPT (Maximum Power Point Trackers) devices with a wide MPPT voltage range mean that maximum output power and high efficiency are assured. This is made possible by special electronic circuitry, which was jointly developed between Omron and a leading Japanese University.

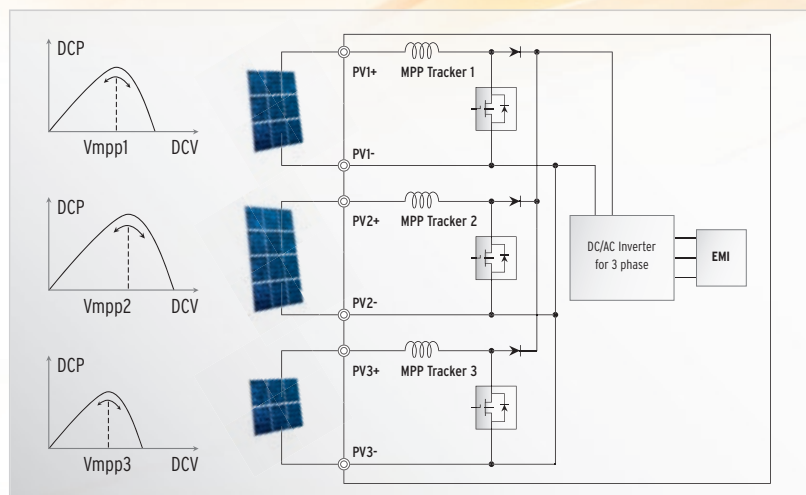


Technology that gives you the edge

Top performance

The KP100L has 3 individual MPPT (Maximum Power Point Tracker) devices and ensures high power efficiency and maximum power output at all times. Key to Omron's highly efficient technology is a special ZCC circuit. This circuit topology of the Zigzag-Connected Chopper Converter was invented by Dr. Hideaki Fujita, who is an Associate Professor at the Tokyo Institute of Technology.

Control components
 Motion and Drives
 Automation systems
 Switching components
 Sensing
Safety

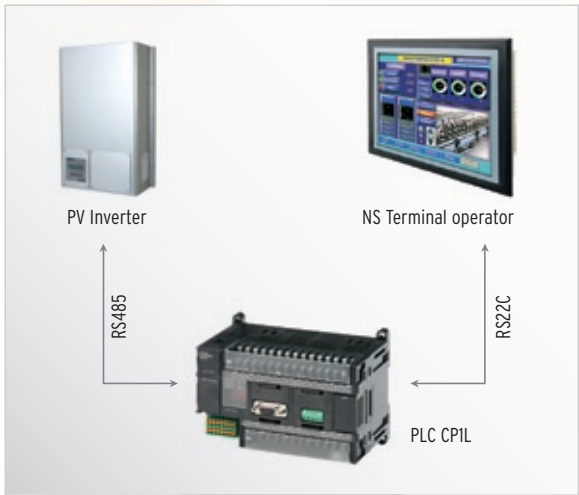


Versatile matching

KP100L is a transformerless inverter. Our technology enables the connection of most types of solar module. In case of doubt regarding a PV modules compatibility please contact Omron representatives.

Easy sizing

The KP100L has 3 individual MPP (Maximum Power Point Trackers), which convert PV input into a common BUS voltage and search for the maximum power point of PV input at all times. Designers can connect differently aligned PV strings as a DC input from a wide MPP voltage range.



Easy monitoring

Omron can provide monitoring solutions to meet any requirement. Shown here is a simple setup using a PLC.



Remote control and monitoring system

Acquisition and monitoring of data from different locations can be achieved using the system architectures shown.

OMRON EUROPE B.V. Wegalaan 67-69, NL-2132 JD, Hoofddorp, The Netherlands. Tel: +31 (0) 23 568 13 00 Fax: +31 (0) 23 568 13 88 www.industrial.omron.eu

Austria

Tel: +43 (0) 2236 377 800
www.industrial.omron.at

Belgium

Tel: +32 (0) 2 466 24 80
www.industrial.omron.be

Czech Republic

Tel: +420 234 602 602
www.industrial.omron.cz

Denmark

Tel: +45 43 44 00 11
www.industrial.omron.dk

Finland

Tel: +358 (0) 207 464 200
www.industrial.omron.fi

France

Tel: +33 (0) 1 56 63 70 00
www.industrial.omron.fr

Germany

Tel: +49 (0) 2173 680 00
www.industrial.omron.de

Hungary

Tel: +36 1 399 30 50
www.industrial.omron.hu

Italy

Tel: +39 02 326 81
www.industrial.omron.it

Netherlands

Tel: +31 (0) 23 568 11 00
www.industrial.omron.nl

Norway

Tel: +47 (0) 22 65 75 00
www.industrial.omron.no

Poland

Tel: +48 (0) 22 645 78 60
www.industrial.omron.pl

Portugal

Tel: +351 21 942 94 00
www.industrial.omron.pt

Russia

Tel: +7 495 648 94 50
www.industrial.omron.ru

South Africa

Tel: +27 (0)11 608 3041
www.industrial.omron.co.za

Spain

Tel: +34 913 777 900
www.industrial.omron.es

Sweden

Tel: +46 (0) 8 632 35 00
www.industrial.omron.se

Switzerland

Tel: +41 (0) 41 748 13 13
www.industrial.omron.ch

Turkey

Tel: +90 216 474 00 40
www.industrial.omron.com.tr

United Kingdom

Tel: +44 (0) 870 752 08 61
www.industrial.omron.co.uk

More Omron representatives
www.industrial.omron.eu

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