

## KP100L PHOTOVOLTAIC INVERTER

Highest quality - fastest return on investment

品質  
CO2削減  
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.





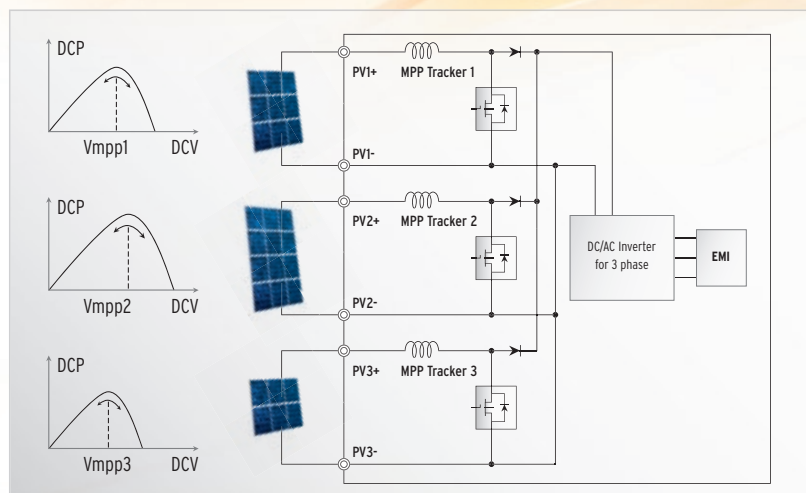
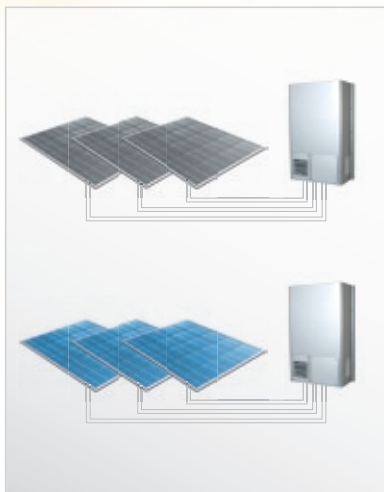


# Technology that gives you the edge

## 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.

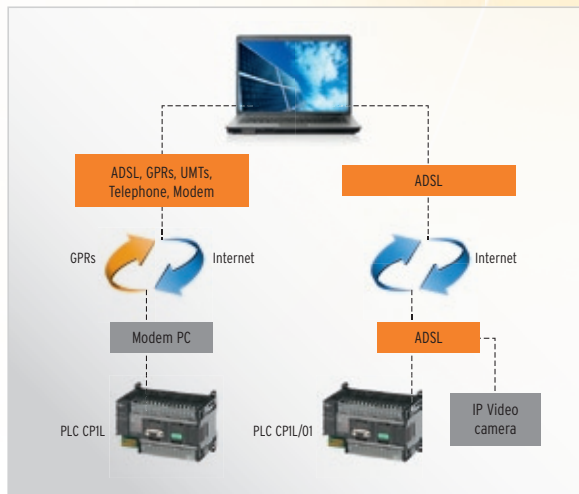
## Easy sizing

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.

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