



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for OMRON KP40G. You'll find the answers to all your questions on the OMRON KP40G in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual OMRON KP40G
User guide OMRON KP40G
Operating instructions OMRON KP40G
Instructions for use OMRON KP40G
Instruction manual OMRON KP40G

The advertisement features the OMRON logo at the top right. The main title is 'KP40G Grid-connected Photovoltaic Inverter'. Below the title is a photograph of a solar farm with rows of panels under a bright sky. In the foreground, a silver OMRON KP40G inverter is shown. At the bottom, there are three bullet points: '» Compact yet powerful', '» High performance with high quality', and '» Flexible and scalable monitoring system options'. The 'realizing' logo is at the bottom left.



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Manual abstract:

Turnkey solution With the industrial automation controls components and technologies, Omron is a company that provides a turnkey solution to, for instance, a PV tracking system, by supplying not only PV inverters but also Programmable Logic Controllers and/ or Drive products, which can be used to control and monitor the movement of PV tracker. Integration of controls and monitoring needs in a PV system, together with high reliability and durability at an industrial standard level, is an Omron's solution. Omron contributes to a required PV cell/ module manufacturing process innovation by providing a solution technologies including process controls products for its equipments. @@@@Reduction in CO2 emission or greenhouse gases is promoted not only by doing so but also in Omron's own operation offices and shop floors, to help stop global warming, being aware of importance to tackle the recently continuing oil and gas price hike partly due to the scarcity of fossil fuels. Renewable energy is clean, and PV or solar energy is unlimited source of energy and electricity we can afford to depend on. As so, photovoltaic is investment worth since many EU nations introduce market support mechanism - incentive program (socalled feed-in tariff) to encourage installation of PV systems and increasing use of PV energy and electricity. Support mechanism or feed-in tariff enables a system owner or investor to pay off the investment on installation as soon as possible and to make even a profit. Advertising carried in a Japanese nation-wide financial and economics newspaper Nikkei Shinbun, featuring in CSR theme, in December PV tracking systems Require state-of-the-art controls technologies to follow the sun"s astronomical movement to make the energy yield maximum PV technologies Since early 1990's, decades long research and development of PV inverter technologies, expertise and experience in the PV market, Omron has accumulated reputation over the quality and well-balanced performance of products and got a name recognition as a leading manufacturer of PV inverters and technologies in Japan. Not less than a few hundreds mega watt (MW) installed in Japan, Omron started developing the businesses worldwide since years to help promoting renewable energy. Persistent efforts to keep the Maximum Power Point Tracking (MPPT) performance at the best to provide a high MPPT efficiency, high stability and high agility (quick response) to a change in irradiation.

Omron KP40G, a new on-grid PV inverter, is ideal for both the European residential and commercial markets. High reliability, high power density and ease of installation provide an ideal solution for PV system integrators, investors and owners as well. Fulfilling your energy, environment and financial objectives is our mission. G Benefits of Omron KP40G: Reliable · Four kW output maximum · Compact, light yet IP55 · State-of-the-art MPPT controls provide high stability and high agility (quick response) to any irradiation change, making the overall efficiency high · Quality design provides high reliability and long life expectancy of 20 years · Perfect thermal design -Air tunnel, realizes no power derating up to 40 degree C · Wide input range, together with the excellent MPPT controls algorithm, is compatible with nearly all PV modules and makes the output yield better · Large input current match large cell modules · Standard warranty 5 years · Ten year extended warranty available at a price Easy · Diagnostics function makes maintenance operation easy; - Error message and alarm appears on display window of product - In operation mode, power data shown · Easy to install without opening the housing; - Three pairs of DC contacts - Removable AC socket - Two communication ports for cross wiring · RS-232 & RS-485 comms ports · All country setting in one; No parameter setting, simple to set an applicable country among Germany, Austria, Switzerland, Netherlands, Spain and Italy · CE marking for safety and EMC standards · VDE0126-1-1 (ENS) certified, conforms to Spanish Royal Decree 1663/ 2000 and Italy's ENEL DK5940/ Apr. @@@@.

. @@@@operation voltage Rated input voltage Max. Input current Euro efficiency Max. @@and 10A max. per pair 94. 00% 95.00% 99.7% max. @@@@By means of Omron KP40G communications and monitoring options, your concerns are resolved with ease. C \ Dedicated monitoring display Omron offers 4 types of options depending on your various needs; A \ "Plug and play" handy display terminal for residential application - The Omron KP-DP1-E B \ PC monitoring software for small-mid sized applications C \ Dedicated monitoring display for mid sizes application The Omron NS-5 terminal D \ System solution for a large PV system Each solution has got a unique feature and benefit. A \ Easiest way to monitor your PV system data The Omron KP-DP1-E Display terminal Display Terminal KP-DP1-E KP40G RS-232 RS-485 Easy quick viewing of the performance of your PV system - A highly reliable dedicated PV monitoring system based on the Omron touch screen monitor device NS-5 terminal with dedicated software. The compact and sleek "all in one" design of the touch screen makes it an ideal solution for a wall or on-panel mounting. The Omron PC software includes a wizard for setting up your installation (including auto-detection of preinstalled equipment) to save your time in set-up of your applications. Communications converter K3SC Up to 10 KP40G-OD The robustness of touch screen monitor enables you to use it in an industrial area without problem, it can be used in the harshest conditions (protection degree IP65F) and its top quality TFT display provides a perfect viewing even in the worst light conditions. This simple to use, highly functional Plug and play, suitable for residential applications.

With the Omron KP-DP1-E, you are able to monitor what you want at a glance. @@@@The PC software features advanced diagnosis functions with around-clock monitoring of your system. Omron has developed powerful analysis tools, e.g. trend and bar graphs, screen viewer of different variables, alarms etc, so that you can be guaranteed a thorough management over your PV system. PLC C/J1 Ethernet, up to 8 lines RS-485 PLC C/J1 Ethernet Ethernet RS-485 Internet Up to 32 KP40G-OD Up to 32 KP40G-OD Dial-up KP40G Grid-connected Photovoltaic Inverter PLC works as the interface for communications and data collection, ensuring that information is gathered from up to 256 KP40G PV inverters and that data constantly and clearly flow to the monitoring devices PC or the Omron touch screen monitor device. This solution provides variety of advantages (as options) for its users, owners or investors. Any incident can be reported via GSM, and monitoring data can be browsed via internet, enabling a remote maintenance and management and saving transport time and expenses.



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