

NOCART

Nocart Power Management Unit (PMU)

Product description

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NOCART
Providing Power.

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Product overview

The Nocart Power Management Unit (PMU) is a power electronics solution for connecting renewable energy sources to the power grid, helping customers become energy self-sufficient. The Nocart PMU provides a constant, high quality supply of electricity. The energy can be distributed to the national grid or to a completely independent island grid created by the PMU. Several PMUs can be connected parallel to each other.

The Nocart PMU can be applied to a variety of applications, e.g. to houses, hospitals, farms and industrial establishments. The system guarantees 24/7 power, regardless of circumstances, and can operate fully off-grid. Nocart builds the PMU according to the customer's electricity consumption needs: either solely for their own use, or for the purpose of selling surplus energy to electricity companies.

Benefits of the Nocart PMU

High quality

The Nocart PMU is assembled in Finland from industrial-quality components, ensuring a long operating lifetime. The PMU has been designed to comply with European standards.

Stability

The Nocart PMU creates and maintains stable a high-quality island grid or it feeds the existing grid.

Seamless integration of renewable power

The Nocart PMU enables seamless integration of various energy sources to the electrical system. Typically, added systems are solar, biogas, generators and energy storages. The Nocart PMU enables the user to engage the to achieve best cost-efficiency overall.

Nocart encourages the use of renewable energy sources due to significant environmental benefits reducing greenhouse gas emissions. This brings benefits to ecology and corporate image alike.

Modularity

The Nocart PMU is fully modular. It is easily upgradable, even after initial installation.

Support and training

Nocart provides full technical support and training for users.

Research and testing

Through a long period of research and testing together with its partners, Nocart's experts have developed the software as well as the hardware of the facility in order to get the maximum benefit from renewable energy.

Automation

Nocart's expertise guarantees a controlled and safe energy production. Equipped with an integrated control system and remote management, the operation of the Nocart PMU is highly automated. This ensures high quality electricity with low operating costs.



Applications

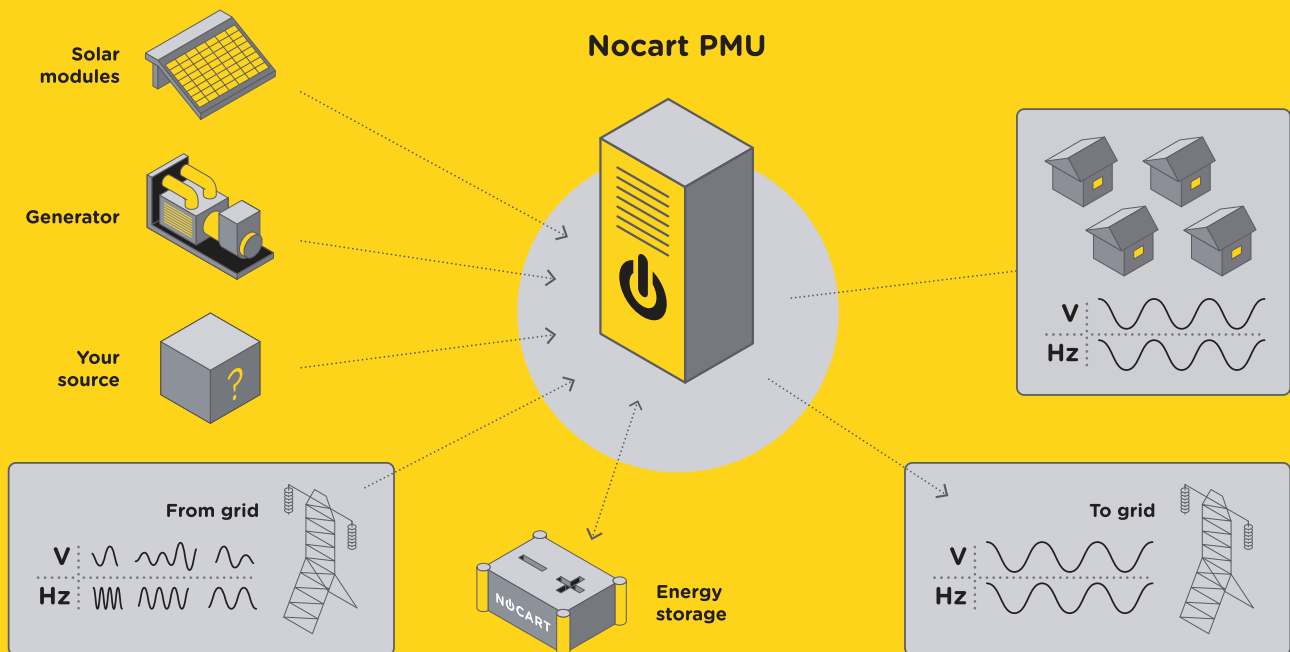
The Nocard Power Management Unit enables seamless electrification for a variety of facilities:

- Housing areas
- Office buildings and industrial establishments
- Hospitals and health centers
- Petrol stations, restaurants and other business premises
- Farms
- Industrial agriculture facilities
- Rural communities

Technical features

	Input unit characteristics AC	Input unit characteristics DC	Output characteristics
Frequency	0–300 Hz	-	50/60 Hz
Voltage	0–690 VAC	0–650 VDC	400–690 VAC 3-phase
Power	0–1200 kVA	0–200 kW	0–1200 kVA

Typical example of use



Safety

The Nocard Power Management Unit has been designed according to European safety standards as well as regulations governing health and safety at work, and fulfils the requirements of European electrical safety standards. With its monitoring and control mechanisms, the PMU operates with a high degree of automation.

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