



# Nocard Power Containers

**Provide power where it does not exist.** The Nocard Power Containers are planned and designed to provide electrical power in harsh conditions and in places where power is not present.

## What does it do?

Containers are designed for different uses but can also be attached to each other to provide more wide range of services.

All applications can be used separately or in connection to another solution. Every container can be connected to the customer's existing system.

## Features

- Fully independent stand-alone solution
- Easy installation, ready for use in one hour
- Low need of maintenance
- Low need of manpower
- Can be equipped with following features: solar panels, generator, batteries, grid feed or an island grid solution

## 4 different applications:

### Nocart Power Container

- Container provides electricity to the grid or an island grid.
- Equipped with solar panels from 5 kW up to 25 kW (with extension up to 30 kW).
- Additional battery package calculated always based on the customer needs.
- Container sizes range from 10 to 40 feet.
- Variable power outputs are provided based on the customer needs.

### Nocart Pumping Container

- Container can be used independently for water transfer in automatic or manual mode.
- Container can be used also for other liquids. Please ask Nocart.
- Water Pumping Container is available for standard capacities: 6 m<sup>3</sup>, 12 m<sup>3</sup> and 30 m<sup>3</sup> per hour (other capacities are possible). Maximum pumping depth 150 metres.
- Container sizes range from 10 to 40 feet. Separate pumping station is optional with separate power feed.

### Nocart Water Treatment Container

- Container's main purpose is to purify water for drinking, irrigation or other purposes.
- Container is always equipped based on the customer needs e.g. with reverse osmosis system.
- Capacity is scalable based on the customer needs up to 23 m<sup>3</sup>/d.

### Nocart Freezer Container

- Temperature is adjustable to -36 Celsius degrees.
- Container can be furnished and divided to different compartments based on customer needs.
- Container keeps its temperature also during transportation.
- It can be connected to different power sources or work fully independently if needed.
- Capacity is scalable based on the customer needs (up to 25 m<sup>3</sup>) in 20 and 40 feet sizes.

## Available features

### Solar panels

Solar panels provide main energy for container and are mainly used to provide daytime electricity. The maximum electricity capacity for panels is 25 kW (expandable to 30 kW). Installation size effects containers' mobility, nevertheless all containers are easy to maintain and transport even daily. Nocart uses high efficiency CE-certified panels which fulfill EU standards.

Panels are easily extracted and deployed from the container. Panel extraction takes approximately 10 minutes after which the container is ready for start.

### Panel rack

The Nocart panel rack system provides sustainable and reliable platform even for daily use and heavy conditions.

### Generator

Generator can additionally be installed inside of the container to automatically provide more reliable and steady production. Nocart uses only well-known generators which provide low maintenance and reliable working hours in long term.

### Batteries

NEA Power Container can be equipped with various battery packages based on the customer needs. Batteries are installed inside the container. Nocart provides only batteries fulfilling EU-standards.

## Delivered projects

Power	Type of system	Location	Delivery
100 kW	On-grid/Off-grid solar	Nepal	03/2014
10 kW	On-grid solar	Finland	12/2014
3 + 3 kW	Off-grid solar + wind unit	Bahrain	2016