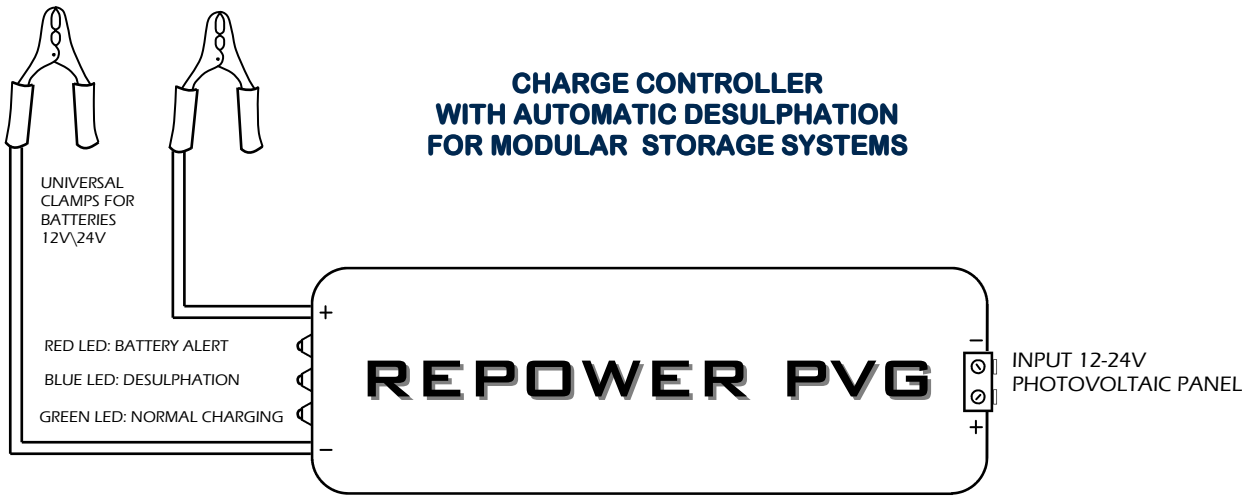
Revised on: 28/10/2016

Version: 2.0

REPOWER PVG

DATASHEET



TECHNICAL FEATURES

- ◊ Photovoltaic panel voltage type: 12V or 24V
- ◊ Maximum input voltage: 35V DC
- ◊ Panel Maximum power: 265W
- ◊ Battery Voltage: 12V or 24V
- ◊ Conversion efficiency: 95%
- ◊ 7 steps charge profile
- ◊ Electronic overload protection
- ◊ Electronic short-circuit protection
- ◊ Electronic protection against atmospheric overvoltage
- ◊ Ultrabright Led panel
- ◊ Maximum charging current : 10A
- ◊ Degree of protection: IP 44 and conformal coating on circuit board to prevent oxidation
- ◊ Capacity range of chargeable batteries: 6Ah - 120Ah
- ◊ Compatible battery types: Lead, Lead gel, AGM.
- ◊ Dimensions: 150x50x30mm

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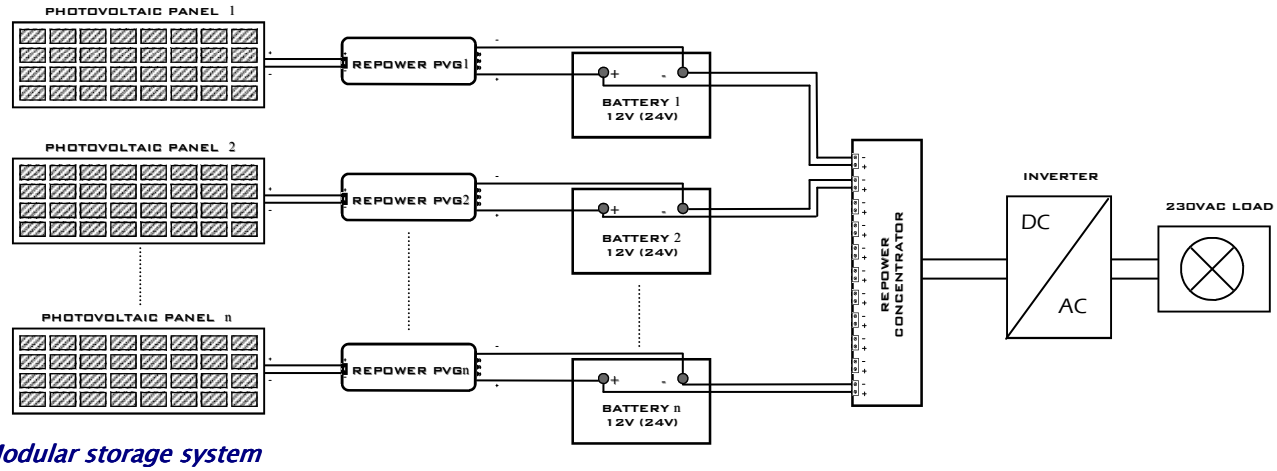
INSTALLATION DIAGRAM



Modular storage system

Following this scheme you can simply create a modular storage system in which each module consists of: a 12V (or 24V) photovoltaic panel (or other generator) - a REPOWER PVG - a 12V (or 24V) lead-acid battery. Each module of these is connected to the REPOWER concentrator that allows to connect up to 10 batteries to the inverter (which can also be three-phase) for the feeding of a simple 230VAC load (eg. household appliance, heat pump, lighting system, electric vehicles charging station, etc.) up to the entire user's electrical system. The system is obviously extendable as required using multiple concentrators.

The REPOWER PVG device is extremely versatile and easy to use since it has:

- Wide power range of photovoltaic panel that can be connected to the input: 10W-265W
- Output leads with red insulated clamps (+ positive pole) and black (- negative pole) for connection to any type of 12V hermetic battery (like those of antitheft systems) or open vessel (such as cars), or GEL / AGM
- Panel input connection by screw terminal block
  3 super bright LEDs for fault reporting / charge phases / desulphation of the single battery.

The best solution for energy storage systems
with only
3 years of medium payback time

100% MADE IN ITALY

For further technical informations:
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