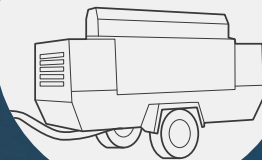


Power Converters

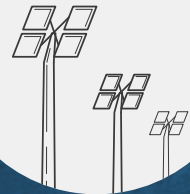
For Hybrid Power Generation
& Storage



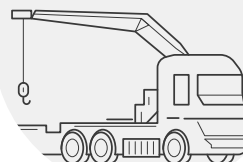
Hybrid
Gensets



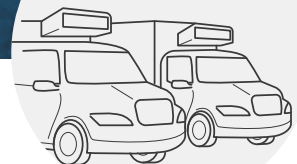
Tower
Lights



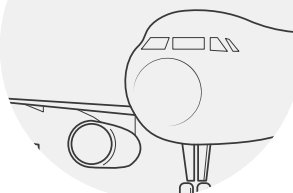
Industrial
Vehicles



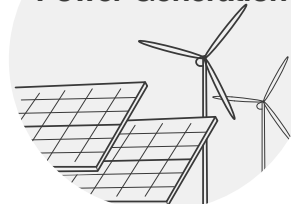
Truck
Refrigerators



Ground
Power Units



Sustainable
Power Generation



Unique solutions for a booming market

The Hybrid Power market is a non-standard solutions place. Innovative power management solutions make possible new designs. New chances create new needings,

and so in a growing loop. Tailored power conversion solutions by RGM can be the launch ramp for new, original businesses for any company involved in state-of-the-art technology.

Power Generation and Energy Storage Systems

A new era for electric power generation has come. Sustainably generating electric energy, storing it when available and using it when needed, using conversion equipments like hubs of an ideal and

constantly changing net, is the key of the new, global energy usage. Innovative high-efficiency, intelligent and connected electric energy generators, converters and storage manager are the base of the low-carbon time smart grids.

40 kVA, 3ph. Power Controller for Hybrid Genset

Integrated power converters system for hybrid, variable speed genset
Air cooled execution - Liquid cooled available
Battery/Supercapacitors smart use capability for Energy/Power oriented applications



5 kW 48 VDC Power Converters System with Energy Buffer Management For Hybrid LED Tower Light

ICE driven PM generator or grid source
Advanced SELV Li-based battery power management
Multifunction, 4 channels full digital LED controller



15 kVA, 3ph. AC, 8 kW DC Modular Power System Controller For Special Vehicles Auxiliary Supply

Set of power modules for variable speed generator, DC/DC conversion for auxiliary supply, special functions power control
Suitable for ICE powered, electric & hybrid vehicles
Cold plate mounting execution
Wireless HMI available



4,5 kVA, 1ph. Home Storage Cabinet

Up to 9 kWh Li-based battery equipped
CEI 0-21 certified
Remote control for large-scale energy storage managed by the grid operator



120 kVA, 3ph. 115 VAC, 400 Hz Output Power Converters System with Supercapacitors Stack For Airport Ground Power Unit

ICE driven PM generators source
Both source and load side parallelability
Supercapacitors stack integrated
28 VDC output available



50 kVA, 3ph. Power Converters System with Energy Buffer Management For Variable Speed Genset

50 kVA, 50 litres, 50 kg
ICE driven PM generator or grid source
Battery/Supercapacitors smart use capability for Energy/Power oriented applications
Available also in air cooled execution and with extra peak current option



200 kW Powertrain Driver For Electric / Hybrid Boat

Up to 4 independent e-motors driver (50 kW each)
Li-based battery source management
Liquid cooled, marine execution
Available with integrated battery charger for grid or genset (RGM patent pending)
Available with dedicated converters for variable speed genset or Fuel Cell as range extender



20 kVA, 1ph. AC Power Converter with Supercapacitors Stack For Hybrid Genset on Special Vehicles

ICE driven PM generator source
1ph. high current AC output, peak power oriented variable speed genset controller
Compact & rugged execution for special vehicles
Air cooled



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RGM operates with certified management system:

- ISO 9001 (Quality)
- ISO 14001 (Environment)
- EN ISO/IEC 80079-34 (ATEX)
- EN 15085 (Welding Process for Railway Products)
- EN ISO 3834 (Welding Process)
- EN 9120 (Quality - Aerospace requirements for Stockist distributors)

Products Approvals/ International Standards

- DIRECTIVE 2014/34/EU ATEX (Explosive Environments)
- EN 60601-1 (III ed.), UL 60601-1 Medical devices
- EN 50155, EN 50121 Railway
- EN 61010 Electrical Equipment for Laboratory Use
- EN 60950 Information Technology
- EN 62368 Information Technology

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Designed by mattemorelli.design



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