



# Power Supply Units

Custom Solutions for leading  
companies since 1986

AC/DC, DC/DC, DC/AC  
Power Supplies

## 150 W Modular PSU and/or Battery Charger For surgical lights

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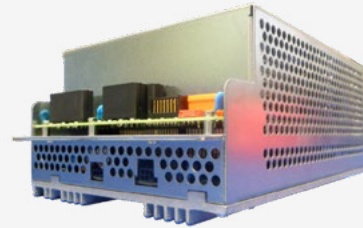


*"A modular system for adapting true, authentic and reliable lighting to surgeons' needs"*

- IN: +24 VDC +24 VAC / 88 ÷ 264 VAC
- OUT: 28 VDC
- Modular & parallelable unit
- CAN bus communication
- EN 60601-1

## 530 W PSU For chronic haemodialysis system

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*"Powering the new generation of haemodialysis systems"*

- IN: 88 ÷ 264 VAC
- OUT: No. of DC voltages: 7
- 98db self powered alarm Buzzer 1 min. function
- Extensive I/O interface
- Battery back-up full management
- EN 60601-1

## 580 W + 300 VA PSU For ultrasound scanner

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### **All-in-one-shop**

*All of the scanner power needs in one box*

- IN: 88 ÷ 264 VAC Universal
- OUT: No. of DC voltages : 15
- 4 medical grade insulated AC outlets
- I2C bus interface
- Oversized fans to perform
- device heat management
- EN 60601-1 cULus approved

## 1.500 W PSU + Laser Drive For Laser hair removal system

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### **All-in-one-shop**

*Power supply and laser drive in one box*

- IN: 88 ÷ 264 VAC Universal
- OUT: No. of DC voltages: 6
- 400 J/s capacitor charger
- 70 V max stack voltage
- 70 A max stack current
- Up to 30 mS 70 V/A pulse (1,2 Hz) capability
- EN 60601-1 cULus approved

## 400VA DC/AC Inverter for emergency ventilation in railway passenger cars

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- IN: 110 VDC (battery)
- OUT: 400 VAC, 50Hz, 3ph
- Max. output power for motor inrush: 400 W
- Operating Temperature range: -25 °C / +70 °C
- Full digital control, DSP based
- Inverter status by Leds
- Remote monitoring control via CAN
- Dimensions 400 x 200 x 200 mm

## 150W DC/DC Converter For ERTMS BTM

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- IN: 24 VDC
- OUT: No. of DC voltages: 8
- 150 W power (continuous at ambient temperature of +85°C)
- Dimensions 238 x 202 x 101 mm

## Battery Pack with Built-in 3,5 KW Battery Charger For Railway passengers cars

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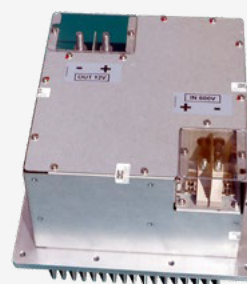
*BALIN meets new trend requests of 600 VDC Train Link.*

*Full energy management / all-in-one-box*

- IN: 400 VAC 50 Hz, 3ph+n / 600 VDC
- OUT: 24 VDC
- Full digital control
- IP67 electronic side
- RS485 interface for diagnostic
- Dimensions 890 x 492 x 433 mm including batteries

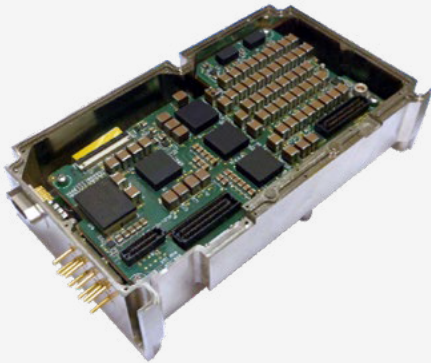
## 3 kW 600/13.7 VDC Battery Charger For Trolleybus

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- Three-level power circuit configuration
- Highly integrated and sophisticated digital control
- High frequency modulation
- IN: as per EN 50124-2, 750 VDC nominal
- OUT: 13,7 VDC nominal @ 250 A
- CAN bus / Serial port interfaces available
- Very small and light
- Convection cooled
- Dimensions 300 x 250 x 150 mm

### 2 KW DC/DC Converter For airborne microwaves radar devices



- AUF environment
- IN 28 VDC
- OUT 11 x 28 VDC, 100A peak
- Switching frequency > 400 kHz
- Weight < 500 g Volume < 0.5 litres
- Extreme power dense

### 20 kVA, 1ph. AC Power Converter For Hybrid Genset on Special Vehicles



- ICE driven PM generator source
- 1ph. high current AC output, peak power oriented variable speed genset controller
- Air cooled
- Compact & rugged execution for special vehicles
- Dimensions: 450 x 300 x 200 mm

### 3kVA Power station For Micro Combined Heat and Power application



Integrated power station and boiler controller with auxiliary power supplies and pump motor inverter.

Energy steam engine powered generator controller.

230VAC grid inverter and interfacen.

- IN: 3-ph generator | 2kHz
- OUT: 230VAC 1-ph 50 hz grid inverter and interface
- OUT: 400VAC 3-ph V/f ramp
- CEI 0-21 Compliant
- Dimensions: 390 x 319 x 128 mm

### 18 WHV/EHT Module For industrial Ink-jet printers



- IN: 24VDC
- HV OUT:  $\pm 300$ VDC
- EHT OUT:  $\pm 1\div 4,25$  KVDC
- EHT monitor
- Different configurations available
- Dimensions: 88 x 150 x 35 mm

## Custom PSUs exceeding the standards

- Small, light, reliable, efficient
- Multi-voltage outputs
- Out-of-standard performances
- Tailored mechanical layout
- Multi function systems (powerbox solutions)
- Advanced cooling management

## System integration capabilities

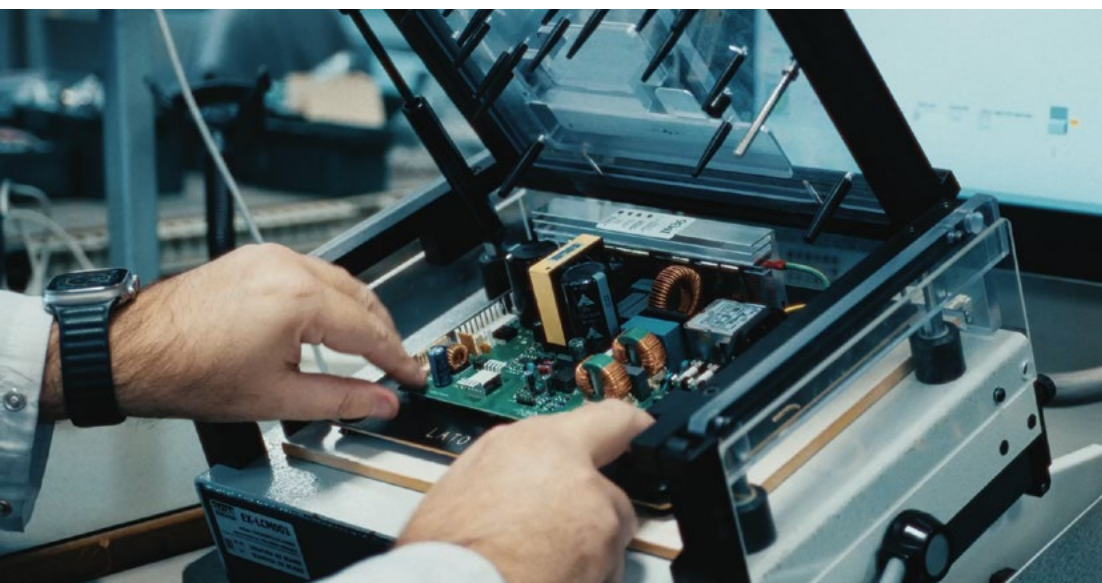
- Battery management (including Li-Based)
- Motion control (i.e. servomotors)
- High Level Assembly
- Power supplies architectures
- Advanced I/O communication and control

RGM products bear the marks issued by international, European and American bodies (UL, CSA, IMQ, TUV, MET) and can also be type-approved by customers according to dedicated specifications.

## Our commitment

We are aware of the great importance of the power supply in our customers' devices. The mission critical nature demands high quality, reliable, safe and cost-effective products to face a strongly regulated market and an intense competitive environment. This is why each product is:

- Designed in close partnership with the customer
- Manufactured in world-class manufacturing facilities
- 100% functionally inspected





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## Why RGM

### Heritage

Providing solutions to international leading companies since 1986

### Design Support

Turn-key solutions not available on the market with a high level of integration into the customer products: "have it work the way you want"

### Value to Customers

Compact, efficient, highly integrated, reliable products, result in customer's lower costs of manufacturing

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## Contacts

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