

# GENSETS SOLUTIONS

## accessories

CRE Technology has developed specific accessories regarding energy control: an extended range of battery chargers, power meters, alternator voltage regulators and magnetic pick ups.



[www.cretechnology.com](http://www.cretechnology.com)

# CRE BATTERY CHARGERS

## BP - BPR+ - COMPACT

CRE range of battery chargers are designed to supply constant voltage to the battery with a permanent connection and a maximum of efficiency.

### 3 RANGES OF PRODUCTS

The BP, the BPR+ and the Compact series. From 3 to 20 A, with or without failure output relay and an AC input range from 85 to 264 V<sub>AC</sub>. The failure output relay notifies a failure on the integrated protections.

#### FEATURES

Universal AC Input  
Cooling by free air convection  
LED Indicator for power on  
100% full load burn-in test  
Can be installed on  
DIN rail TS-35/7.5 or 15  
Adjustable DC output  
by potentiometer  
CE certified

### INTEGRATED PROTECTIONS

- Short circuit
- Overload
- Overvoltage
- Over temperature

### ENVIRONMENT

Thanks to a heavy duty case and its free air convection cooling device, our battery chargers can operate in extreme temperature situations (between -20°C and +70°C).

Whether in stock or in operating mode, it can sustain any extreme environment.

### BP SERIES

Classic, heavy duty and reliable



### BPR+ SERIES

With safety relay, secure and reliable



### COMPACT SERIES

Tiny, efficient, advanced technology



cre's  
quality

### OUR COMMITMENT

At CRE, we are so confident in the quality and reliability of our battery chargers that we are pleased to offer you a 3 year warranty for each product purchased.

## TECHNICAL SPECIFICATIONS

BP RANGE	UNIT	BP 0524M	BP 1012M	BP 1024M	BP 2024M
OUTPUT CURRENT	A	5	10	10	20
OUTPUT VOLTAGE	V <sub>DC</sub>	24 - 28	12 - 14	24 - 28	24 - 28
AC INPUT SELECTABLE BY SWITCH	-	Yes	Yes	No	No
DC VOLTAGE ADJUSTABLE	-	Yes	Yes	No	No
INPUT VOLTAGE RANGE	V <sub>AC</sub>	88 ~ 132 176 ~ 264 by switch	88 ~ 132 176 ~ 264 by switch	85 - 264	180 - 264
INPUT FREQUENCY RANGE	Hz	47 - 63	47 - 63	47 - 63	47 - 63
EFFICIENCY (AT FULL LOAD)	%	84	80	84	89
WORKING TEMPERATURE	°C	-10 / +60	-10 / +60	-10 / +70	-20 / +70
STORAGE TEMPERATURE	°C	-20 / +85	-20 / +85	-20 / +85	-20 / +85
WIDTH	mm	65,5	125,5	125,5	227
HEIGHT	mm	125,2	125,5	125,5	125,2
DEPTH	mm	100	100	100	100
WEIGHT	kg	0,79	0,79	1,2	2,4

BPR + RANGE	UNIT	BPR 0524M	BPR 1012M	BPR 1024M	BPR 2024M
OUTPUT CURRENT	A	5	10	10	20
OUTPUT VOLTAGE	V <sub>DC</sub>	24 ~ 29	12 ~ 15	24 ~ 29	24 ~ 29
DC VOLTAGE ADJUSTABLE (ON FRONT PANEL)	-	Yes	Yes	Yes	Yes
INPUT VOLTAGE RANGE	V <sub>AC</sub>	180 ~ 550	180 - 550	180 ~ 550	180 ~ 550
INPUT FREQUENCY RANGE	Hz	47 ~ 63	47 ~ 63	47 ~ 63	47 ~ 63
EFFICIENCY (AT FULL LOAD)	%	91	89,5	90	94
WORKING TEMPERATURE	°C	-25/ +70	-25/ +70	-25/ +70	-25/ +70
STORAGE TEMPERATURE	°C	-40 / +85	-40 / +85	-40 / +85	-40 / +85
WIDTH	mm	40	40	63	85,5
HEIGHT	mm	125,2	125,2	125,2	125,2
DEPTH	mm	113,5	113,5	113,5	128,5
WEIGHT	kg	0,65	0,65	1	1,6

COMPACT RANGE	UNIT	BPR 0324M	BPR 0512M
OUTPUT CURRENT	A	2,5	5
OUTPUT VOLTAGE	V <sub>DC</sub>	24 - 30	12 - 15
DC VOLTAGE ADJUSTABLE (ON FRONT PANEL)	-	Yes	Yes
INPUT VOLTAGE RANGE	V <sub>AC</sub>	85 - 264	85 - 264
INPUT FREQUENCY RANGE	Hz	47 - 63	47 - 63
EFFICIENCY (AT FULL LOAD)	%	88	86
WORKING TEMPERATURE	°C	-20 / +70	-20 / +70
STORAGE TEMPERATURE	°C	-40 / +85	-40 / +85
WIDTH	mm	40	40
HEIGHT	mm	90	90
DEPTH	mm	100	100
WEIGHT	kg	0,33	0,33



# POWER METERS

PM-Progress - PM-Advanced

## 2 RANGES OF PRODUCTS

CRE power metering systems are accurate and cost effective solutions for measurement and display of all major electrical and power parameters. Easy to program, to mount and with a user-friendly navigation, they are the ideal choice for customers who require reliable energy measurement.



### PM-Advanced FEATURES

LCD Display

Real time measurement data : U, I, P, Q, S, cos, F, kWh, kVAR

More than 60 parameters

2 RS-485 port, Modbus RTU communication protocol

2 energy pulse output

Max/min data record

Numerous options available: programmable digital signal inputs, data storage, harmonic analysis, programmable relay outputs ...



### PM-Progress FEATURES

DIN 96 enclosure

Easy panel mounting

Backlit LCD screen

Plug-in option modules

True RMS measurement

Programmable CT ratio

User programmable system configuration

Cost effective

Measures 17 electrical parameters

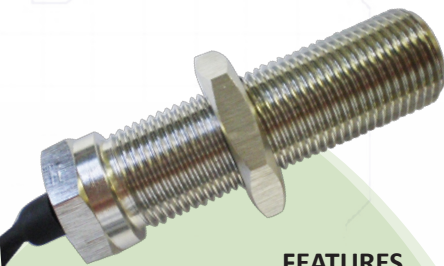
Including Total Harmonic Distortion

Measurement up to the 31st harmonic

Supply Power: 110 - 440 VAC

## MAGNETIC PICK UP

Speed sensor



### FEATURES

Fully compatible with all generators

Detects steel sensing gears

Produces electrical frequency

Easy installation on engine

Different sizes (from 60 to 92 mm) and different connectors

## AVR-20

Alternator voltage regulator



### FEATURES

Excellent compatibility

Rugged design for trouble free operation

Constant monitoring

Easy adjustment

0-115 V output / 20A output current

Relay free circuit design

Built-in voltage adjustment

Remote voltage adjustment input

Dimensions: 125x68x35mm

after sales  
service

All CRE Technology products are delivered with one year warranty, and if necessary we will be happy to come on site for product commissioning or troubleshooting. The company also provides specific trainings on our products and softwares.

Our team of dedicated engineers will help you on the field or over the phone from Monday to Friday between 8 am to 8 pm nonstop (GMT+1) on: +33 492 38 86 86

benefit from  
our experience

Thanks to a 30 year experience in the paralleling system and energy control, CRE Technology continues to develop solutions to meet market increasing expectations.

Our engineers develop high technological solutions combining reliability, modularity and intuitivity. They also can customize our products as you wish.

come and join  
cre team

We are currently seeking partners to represent our range of products worldwide.

Joining our team represents a great opportunity to grow and develop your business, selling, promoting and supporting our products.

contact us

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