



# BATTERY CHARGERS



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CRE TECHNOLOGY's range of battery chargers is designed to supply voltage to the battery with a permanent connection and a maximum of efficiency.

## 4 RANGES

The BP+305, Compact, BP and the BPRB series are available:

- From 3A to 40A in 12V<sub>DC</sub> or 24V<sub>DC</sub>
- Single or three-phase input, all chargers support 50Hz and 60Hz
- Voltage input range from 85V<sub>AC</sub> to 550V<sub>AC</sub>

## BP+ 305 RANGE - FROM 3A TO 10A

The BP+ battery chargers range offers a range of input voltages in monophase, a range of output current from **3A to 10A** and voltage output from **12V<sub>DC</sub> to 24V<sub>DC</sub>**. They integrate a permanent short-circuit protection and accept without damage the electrical starters inrush current. Their ergonomic design allows you to easily integrate it into your plant thanks to their lightness, compactness and Din Rail support.

- With Diode integrated
- Can be installed on DIN Rail
- Competitive price



BP+ 0512M-305



BP+ 0324M-305



BP+ 1012M-305



BP+ 0524M-305



BP+ 1024M-305

REFERENCES	OUTPUT CURRENT	OUTPUT VOLTAGE	DC VOLTAGE ADJUSTABLE	INPUT VOLTAGE RANGE	INPUT FREQUENCY RANGE	EFFICIENCY (TYPICAL)	WORKING TEMPERATURE	STORAGE TEMPERATURE	WIDTH	HEIGHT	DEPTH	WEIGHT	FAILURE RELAY	BOOST MODE (ACTIVATED BY EXTERNAL CONTACT)
UNIT	A	V <sub>DC</sub>	-	V <sub>AC</sub>	Hz	%	°C	°C	mm	mm	mm	kg	-	-
<b>BP+ 305 RANGE</b>														
BP+ 0512M-305	5	12 - 15	Yes	90 ~ 305	47 - 63	83	-20 / +70	-40 / +85	32	125.2	102	0.51	No	No
BP+ 0324M-305	3	24 - 28	Yes	90 ~ 305	47 - 63	87	-20 / +70	-40 / +85	32	125.2	102	0.51	No	No
BP+ 1012M-305	10	24-28	Yes	90 ~ 305	47 - 63	84	-20 / +70	-40 / +85	40	125.2	113.5	0.57	No	No
BP+ 0524M-305	5	24 - 28	Yes	90 ~ 305	47 - 63	87	-20 / +70	-40 / +85	40	125.2	113.5	0.57	No	No
BP+ 1024M-305	10	24 - 28	Yes	90 ~ 305	47 - 63	87	-20 / +70	-40 / +85	63	125.2	113.5	1	No	No

## COMPACT RANGE - FROM 3A TO 10A

CRE TECHNOLOGY range of battery chargers Compact serie has been designed to supply constant voltage to the battery with a permanent connection and a maximum of efficiency.

- Protections: Short circuit/ Overload/ Over voltage
- LED indicator for power on
- Cooling by free air convecti on
- Can be installed on DIN rail TS-35/7.5 or TS-35/15
- FAULT contact, no load power consumpti on <0.75W
- 100% full load burn-in test
- 3 years warranty



BPR0324S  
MULTIANGLE VIEW

REFERENCES	OUTPUT CURRENT	OUTPUT VOLTAGE	DC VOLTAGE ADJUSTABLE	INPUT VOLTAGE RANGE	INPUT FREQUENCY RANGE	EFFICIENCY (TYPICAL)	WORKING TEMPERATURE	STORAGE TEMPERATURE	WIDTH	HEIGHT	DEPTH	WEIGHT	FAILURE RELAY	BOOST MODE (ACTIVATED BY EXTERNAL CONTACT)
UNIT	A	V <sub>DC</sub>	-	V <sub>AC</sub>	Hz	%	°C	°C	mm	mm	mm	kg	-	-
<b>COMPACT RANGE</b>														
BPR 0324S	2.5	24 - 28	Yes	85 ~264	47 - 63	88	-20 / +70	-40 / +85	40	90	100	0.33	Yes	No
BPR 0512S	5	12 - 15	Yes	85 ~ 264	47 - 63	88	-20 / +70	-40 / +85	40	90	100	0.33	Yes	No



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## BPRB RANGE - FROM 5A TO 20A

The **BPRB SERIES** offers a wide range of input voltages, a wide range of output current from **5A to 20A** and voltage output from **12V<sub>DC</sub> to 24V<sub>DC</sub>**. Their ergonomic design allows you to easily integrate it into your plant thanks to their lightness, compactness and Din Rail support. Included a Fail Output Relay, and a **Boost Mode** Input.

- Protections: Short circuit/ Overload/ Over voltage/ Over temperature
- Boost mode (connector and wires provided)
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or TS-35/15
- Fault relay contact
- 100% full load burn-in test
- 3 years warranty



**BPRB 0524 M  
BOOST MODE**



**BPRB 1012 M  
BOOST MODE**



**BPRB 1024 M  
BOOST MODE**



**BPRB 2024 M  
BOOST MODE**

REFERENCES	OUTPUT CURRENT	OUTPUT VOLTAGE	DC VOLTAGE ADJUSTABLE	INPUT VOLTAGE RANGE	INPUT FREQUENCY RANGE	EFFICIENCY (TYPICAL)	WORKING TEMPERATURE	STORAGE TEMPERATURE	WIDTH	HEIGHT	DEPTH	WEIGHT	FAILURE RELAY	BOOST MODE (ACTIVATED BY EXTERNAL CONTACT)
UNIT	A	V <sub>DC</sub>	-	V <sub>AC</sub>	Hz	%	°C	°C	mm	mm	mm	kg	-	-
<b>BPRB RANGE</b>														
BPRB 0524M	5	24 - 29	Yes	180 ~ 550	47 - 63	91	-25/ +70	-40 / +85	40	125.2	113.5	0.65	Yes	Yes
BPRB 1012M	10	12 - 15	Yes	180 ~ 550	47 - 63	89.5	-25/ +70	-40 / +85	40	125.2	113.5	0.65	Yes	Yes
BPRB 1024M	10	24 - 28	Yes	180 ~ 550	47 - 63	90	-25/ +70	-40 / +85	63	125.2	113.5	1	Yes	Yes
BPRB 2024M	20	24 - 28	Yes	180 ~ 550	47 - 63	91	-25/ +70	-40 / +85	85.5	125.2	128.5	1.7	Yes	Yes

## BP RANGE - FROM 20A TO 40A

The BP battery chargers range offers a wide range of input voltages in monophase or three-phase, a wide range of output current from **5A to 40A** and voltage output from **12V<sub>DC</sub> to 24V<sub>DC</sub>**. They integrate a permanent short-circuit protection and accept without damage the electrical starters inrush current. Their ergonomic design allows you to easily integrate it into your plant thanks to their lightness, compactness and Din Rail support.

- AC input range selectable by switch
- Protections: Short circuit/ Overload/ Over voltage/ Over temperature
- Cooling by free air convection, LED indicator for power on
- Can be installed on DIN rail TS-35/7.5 or TS-35/15
- 100% full load burn-in test
- Fixed switching frequency at 55kHz (120kHz for BP1024M)
- 3 years warranty



**BP 2024 M**



**BP 2024 T  
TREEPHASE**



**BP 4024 T  
TREEPHASE**

REFERENCES	OUTPUT CURRENT	OUTPUT VOLTAGE	DC VOLTAGE ADJUSTABLE	INPUT VOLTAGE RANGE	INPUT FREQUENCY RANGE	EFFICIENCY (TYPICAL)	WORKING TEMPERATURE	STORAGE TEMPERATURE	WIDTH	HEIGHT	DEPTH	WEIGHT	FAILURE RELAY	BOOST MODE (ACTIVATED BY EXTERNAL CONTACT)
UNIT	A	V <sub>DC</sub>	-	V <sub>AC</sub>	Hz	%	°C	°C	mm	mm	mm	kg	-	-
<b>BP RANGE</b>														
BP 2024M	20	24 - 28	Yes	180 ~ 264	47 - 63	89	-20 / +70	-20 / +85	227	125.2	100	2.4	No	No
BP 2024T	20	24 - 28	Yes	304 ~ 550 phase-to-phase	47 - 63	89	-20 / +70	-40 / +85	227	125.2	100	2.5	No	No
BP 4024T	40	24 - 28	Yes	304 ~ 550 phase-to-phase	47 - 63	91	-20/+60	-40 / +85	276	125.2	100	3.3	No	No





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