

# Industrial Battery charger



an **ATLANTIC POWER GROUP** company  
Mexico DF - Sao Paulo - Madrid - Istanbul - Kuwait - Hong Kong - Melbourne



ISO 9001:2008 - ISO 14001:2015 - OHSAS 18001:2007  
Certificate No. 09-200-054277-C

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## BC ( 0.5KW-500KW )

Power Availability

BC series battery charger has features of intelligent, high efficiency, safety, reliability. Battery charger is with automatic controlling unit for voltage and current continuous output, which can be used for all different kinds of batteries.

Battery charger firstly charge batteries with constant current, before batteries are charged full, Our charger will automatically transfer to constant voltage mode until batteries are charged full. Battery charger will automatically monitor of constant voltage, current and automatically shut off. The charger is controlled by cpu, with constant current, constant voltage, pulse, floating charging, perfectly prolong battery life.



LCD touch screen display

### Applications:

Electric truck, electric bus, golf car, yacht; railway system, telecommunication system, ship, electric locomotive, ups, emergency power system, DC power system, solar power system, wind system, aircraft, highway, bus station, airport, petrochemical, industry, lead acid battery, NiCd battery, Nickel Iron battery, LiFePO4, super capacitor, ect.

### Key Features:

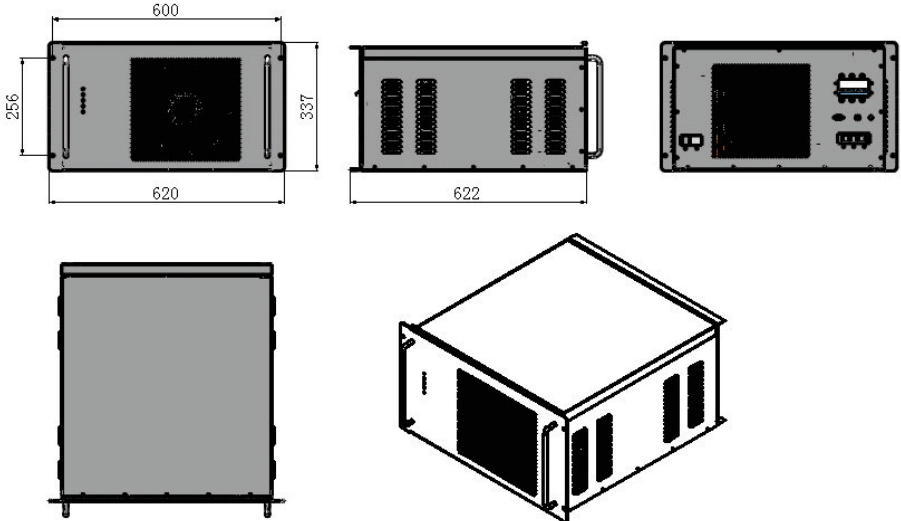
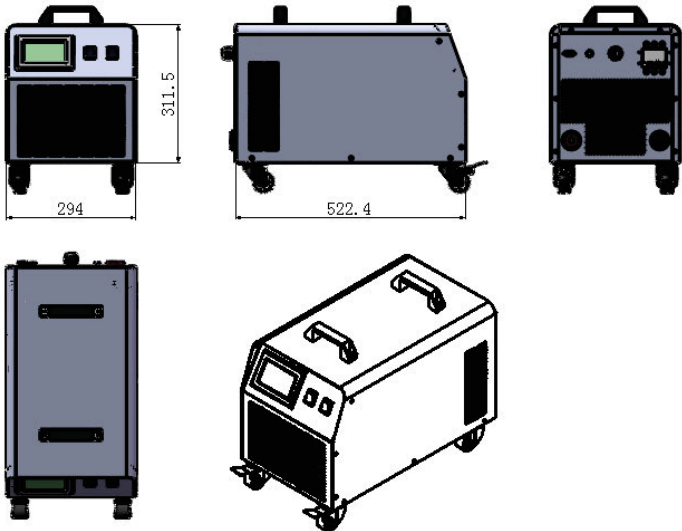
- With IGBT technology from Japan or Silicon controlled rectifier can be optional.
- Wide AC input voltage range, up to 110VAC/220VAC/380VAC/400VAC/480VAC $\pm$ 15%
- Rack mount, modular, tower type can be customized
- With CAN-BUS controlling technology, display charging status and battery capacity
- Output voltage & current can be continuously adjustable
- With shockproof structure, salt-fog resistance and interference resistance
- With isolation transformer, promote safety and reliability.
- Automatically charging, with multi-protection functions
- Can be set fast charging and charging time according to customer's needs.
- With high efficiency: >90%

**WE HELP YOU GET IT RIGHT  
- RIGHT FROM THE START.**

**BC ( 0.5KW-500KW )**

Power Availability

Dimensions of Industrial Battery Chargers

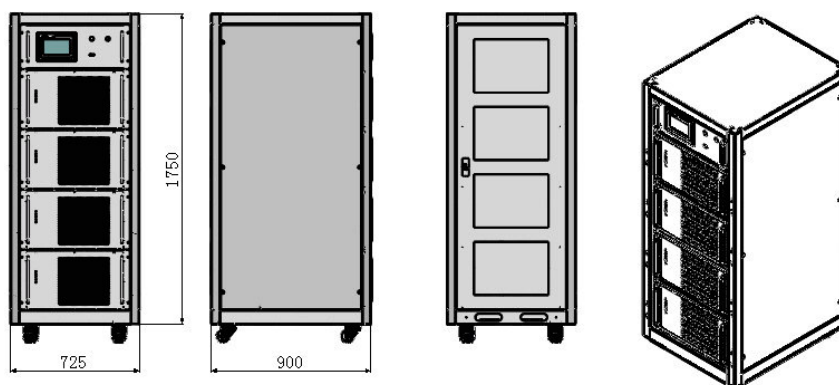
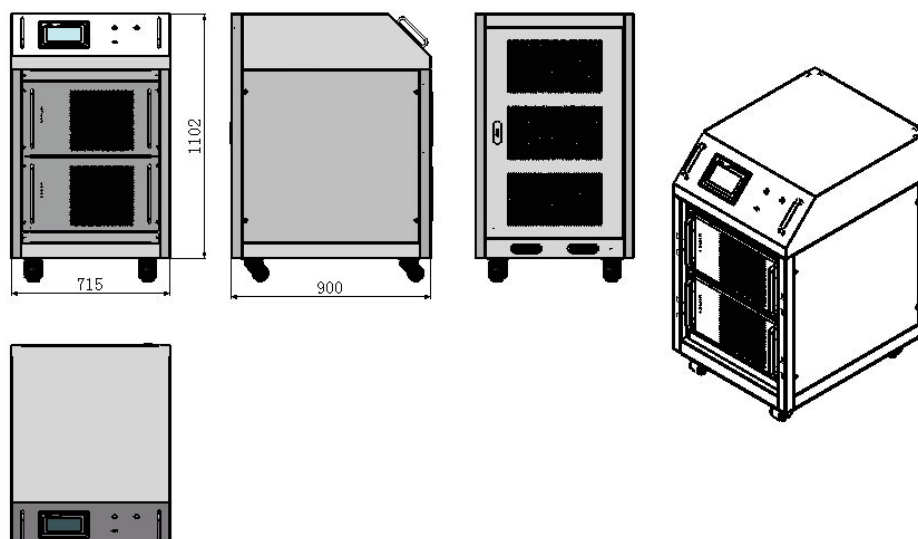


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Power Availability

Dimensions of Industrial Battery Chargers



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Power Availability

### Specification

Capacity-KW	1	2	3	5	10	12	15	20	25	30
AC Input voltage	110VAC/220VAC single phase or 380VAC/400VAC/480±15% three phases+four wires+ground									
Input frequency range	40-60HZ									
Charging voltage	1-1000VDC available									
Charging current	1A-500A continuously adjustable									
Charging mode	Three stages of intelligent charging;automatically checking battery group voltage,constant-current charging; then constant-voltage charging;floating charging;when battery is charged full, charger automatically turn off									
Voltage/current recision	<±0.5%									
Ripple coefficient	<0.5%									
Battery type	used for nickel cadmium battery,nickel iron battery,lead acid battery,super capacitor,LifePO4 battery,bus,ect									
Battery group voltage	6V/12V/24V/36V/48V/96V/110V/192V/220V/380V/500V/600V/800V									
Efficiency	>90%-95%									
Protection	overvoltage,overcurrent,undervoltage,overheat,reverse connect,missing phase,overcharging (when temperature >80℃, charger work at half capacity; when temperature>90℃,charger will automatically stop output and warning;when temperature is normal, charger will automatically re-start output									
Display	display charging time,charging voltage,charging current,charging status;battery management system light,fault light									
Cooling	forced air cooling									
Operating temperature	-20~+45℃									
Storage temperature	-14~+85℃									
Isolation strength	>20MΩ									
Dielectric strength	>2500VAC									
Leakage current	<10mA									
MTBF	>50000 hours									
Communication	RS485/CAN2.0/RS232/WAN/LWAN/GPRS+battery management system optional									
Altitude	<2000M									
Humidity	<85%									
Protection	IP20/IP30/IP51/IP55/IP65									
Noise	<65db									
Dimension-mm	260x200x100		410x269x290		522x294x312		520x460x350		592x480x440	
Weight-kgs	4	6	8	12	22	28	40	45	50	60

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## BC ( 0.5KW-500KW )

Power Availability

### Specification

Capacity-KW	40	50	60	80	100	120	150	200	250	500
AC Input voltage	110VAC/220VAC single phase or 380VAC/400VAC/480±15% three phases+four wires+ground									
Input frequency range	40-60HZ									
Charging voltage	1-1000VDC available									
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Altitude	<2000M									
Humidity	<85%									
Protection	IP20/IP30/IP51/IP55/IP65									
Noise	<65db									
Dimension-mm	622x620x338		900x915x1102		900x695x1800			1300x1100x1800		
Weight-kgs	80	150	220	250	300	380	450	550	680	1300

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