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# eMotive Battery Charger

Power Up Your Ride







## About Pihong

Pihong's business focus is to maintain its leadership in the power adapter market and to grow our switching power supply market by providing power solutions in telecom, datacom, networking, personal electronics & industrial markets. Our global footprint combined with our ability to provide low-cost manufacturing and strong localized technical support provides a unique dynamic to our OEM and ODM customers that allows us to offer quality solutions on time, to budget and to schedule. With an eye toward the international trend of environmental protection and carbon reduction. Zerova, a subsidiary of Pihong, specializes in the EV Charging Market and offers a comprehensive range of EV charging solutions for both commercial and passenger vehicles.

**Core value**

**Customer service**

**Innovation**

**Sustainability**



**1972**

Leading power supplier in the world

**50+ Years**

Selling products to 56+ countries around the world

Established in 1972

**Top 10**

Offering comprehensive power solutions 50+ years

**56+ Countries**

## PHIHONG GROUP



Home Application



AR/VR



POS



NB



Medical



Industrial



Mobile



PoE&IoT



e-bike



Infrastructure



ZEROVA



EV Charging

Your best partner

# Why chose us?



## Advantages

### Day 1

Comprehensive power solutions

### Globalization

Real-time customer service

### 166 Patents

& 64 under applications

### > 350 R&D

High quality engineering experties

### 1W - 480kW

Charging technology

### 85%

Automated production



## Certification

Phihong Groups/ Vietnam Factory

**ISO 9001:2015**

Hazardous substance process

**IECQ QC080000:2021**

Automobile

**IATF 16949:2016**

Environmental

**ISO 14001:2015**

Medical devices

**ISO 13485:2016**

Occupational health and safety

**ISO 45001:2018**

## Features

# eMotive Battery Charger

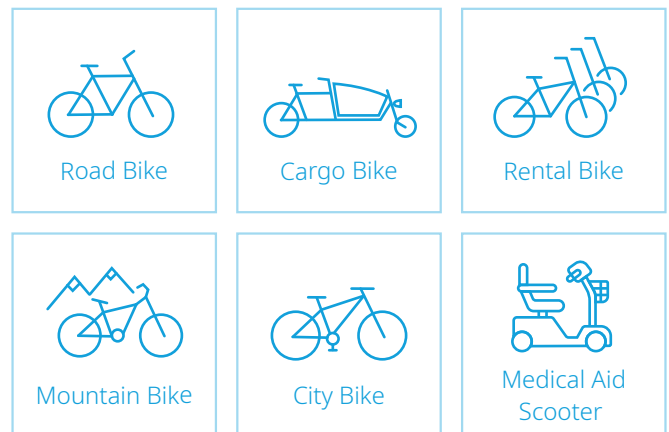


## Features

- Portable
- Power Boost Charging
- CB, CE, FCC safety regulation
- Digital thermal-controlled charging
- MCU-based smart charging platform
- Up to 94% high efficiency



## Applications



# Li-ion Series



OVP

OCP

SCP

OTP



**DM 273W-546A-R**  
Dimension L180xW85xH46mm  
Weight 0.9kg

## 100 - 240V

Power Rated	Output Voltage	Constant Current	Efficiency	Protection Level	Cooling Method
273W	54.6V	5A	> 90%	IPX0~6	Convection

Operating Temperature	Storage Temperature	Operation Humidity	Communication	LED	Safety
0 - 40°C	-40 - 85 °C	5 - 90%	Optional*	Red/Green	IEC 60335-1/-2-29



**DA 252W-420A-R**  
Dimension L180xW85xH46mm  
Weight 0.9kg

## 220 - 240V

Power Rated	Output Voltage	Constant Current	Efficiency	Protection Level	Cooling Method
252W	42V	6A	> 90%	IPX0~6	Convection

Operating Temperature	Storage Temperature	Operation Humidity	Communication	LED	Safety
0 - 40°C	-40 - 85 °C	5 - 90%	Optional*	Red/Green	IEC 60335-1/-2-29



**DM 252W-420A-R**  
Dimension L180xW85xH46mm  
Weight 0.9kg

## 100 - 240V

Power Rated	Output Voltage	Constant Current	Efficiency	Protection Level	Cooling Method
252W	42V	6A	> 90%	IPX0~6	Convection

Operating Temperature	Storage Temperature	Operation Humidity	Communication	LED	Safety
0 - 40°C	-40 - 85 °C	5 - 90%	Optional*	Red/Green	IEC 60335-1/-2-29



**DM 218W-546B-R**  
Dimension L180xW85xH46mm  
Weight 0.7kg

## 100 - 240V

Power Rated	Output Voltage	Constant Current	Efficiency	Protection Level	Cooling Method
218W	54.6V	4A	> 91%	IPX0~6	Convection

Operating Temperature	Storage Temperature	Operation Humidity	Communication	LED	Safety
0 - 40°C	-40 - 85 °C	5 - 90%	Optional*	Red/Green	IEC 60335-1/-2-29

# Li-ion Series



**DM 168W-420B-R**  
Dimension L180xW85xH46mm  
Weight 0.7kg

## 100 - 240V

Power Rated	Output Voltage	Constant Current	Efficiency	Protection Level	Cooling Method
168W	42V	4A	> 88%	IPX0-6	Convection
Operating Temperature	Storage Temperature	Operation Humidity	Communication	LED	Safety
0 - 40°C	-40 - 85 °C	5 - 90%	Optional*	Red/Green	IEC 60335-1/-2-29



**DA 168W-420B-R**  
Dimension L180xW85xH46mm  
Weight 0.7kg

## 220 - 240V

Power Rated	Output Voltage	Constant Current	Efficiency	Protection Level	Cooling Method
168W	42V	4A	> 88%	IPX0-6	Convection
Operating Temperature	Storage Temperature	Operation Humidity	Communication	LED	Safety
0 - 40°C	-40 - 85 °C	5 - 90%	Optional*	Red/Green	IEC 60335-1/-2-29



**DM 164W-546A-R**  
Dimension L180xW85xH46mm  
Weight 0.7kg

## 100 - 240V

Power Rated	Output Voltage	Constant Current	Efficiency	Protection Level	Cooling Method
164W	54.6V	3A	> 88%	IPX0-6	Convection
Operating Temperature	Storage Temperature	Operation Humidity	Communication	LED	Safety
0 - 40°C	-40 - 85 °C	5 - 90%	Optional*	Red/Green	IEC 60335-1/-2-29



**DA 109W-546A-R**  
Dimension L153xW77xH41.5mm  
Weight 0.5kg

## 100 - 240V

Power Rated	Output Voltage	Constant Current	Efficiency	Protection Level	Cooling Method
109W	54.6V	2A	> 88%	IPX0	Convection
Operating Temperature	Storage Temperature	Operation Humidity	Communication	LED	Safety
0 - 40°C	-20 - 65 °C	5 - 90%	Optional*	Red/Green	IEC 60335-1/-2-29

# Li-ion Series



**DA 84W-420D-R**  
Dimension L153xW77xH41.5mm  
Weight 0.5kg

## 100 - 240V

Power Rated	Output Voltage	Constant Current	Efficiency	Protection Level	Cooling Method
84W	42V	2A	> 88%	IPX0	Convection
Operating Temperature	Storage Temperature	Operation Humidity	Communication	LED	Safety
0 - 40°C	-20 - 65 °C	5 - 90%	Optional*	Red/Green	IEC 60335-1/-2-29



**DA 168M-420A-R**  
Dimension L148xW72xH32mm  
Weight 0.5kg

## 100 - 240V

Plume

Power Rated	Output Voltage	Constant Current	Efficiency	Protection Level	Cooling Method
168W	42V	4A	> 90%	IPX0	Convection
Operating Temperature	Storage Temperature	Operation Humidity	Communication	LED	Safety
0 - 40°C	-20 - 65 °C	5 - 90%	Optional*	Red/Green	IEC 60335-1/-2-29



**DA 164M-546A-R**  
Dimension L148xW72xH32mm  
Weight 0.5kg

## 100 - 240V

Plume

GaN

Power Rated	Output Voltage	Constant Current	Efficiency	Protection Level	Cooling Method
164W	54.6V	3A	> 90%	IPX0	Convection
Operating Temperature	Storage Temperature	Operation Humidity	Communication	LED	Safety
0 - 40°C	-20 - 65 °C	5 - 90%	Optional*	Red/Green	IEC 60335-1/-2-29



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## Infinite energy possibilities!

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