

● Charging Modes:

Status	Display Message	Indication
Startup		<b>Attention:</b> Plug in the battery when you see the PUT IN THE BATTERY message.
Standard Mode Charging		← Charging Mode ← Charging Status
High Current Charging		Charging Mode can be changed with switch (Customizable with switch)
Low Current Charging		Charging Mode can be changed with switch (Customizable with switch)
Finished Charging		<b>Attention:</b> Do not unplug the batter until You see the FINISH! MOVE BATTARY! message

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**DC Charger**  
 DC 50-500V / 12KW  
**Charger Module**  
 Operating Manual



# Foreword

Fortune has recently entered the EV industries by developing an array of DC EV Chargers that can just about charge any type of vehicle battery in existence. Our electronically controlled chargers are compatible with various types of battery communication protocol. Fortune hopes to create a more eco-friendly mode of transportation by making EV charging easier and more convenient, thus leading to a more ecologically sustainable future.

## ● High-Efficiency Power Conversion

Fortune's own DC Chargers utilize SPS technology, which translate to 85% overall conversion efficiency and 0.9 power factor, vastly reduce energy waste on the public grid.

## ● Digital Control Interface

Fortune DC Chargers with Dual-Core high speed processor can be tailored made to your specifications.

## ● Charging Safety

Fortune DC Chargers meet international safety standards. Our chargers protects against faulty connections between battery and charger, locking mechanisms that prevents the battery from removal during charging, and emergency stop switch to stop the charging process when necessary.

## ● Charger Specifications:

Parameter Category	Parameter Name	Specification
Input	Voltage	3Phase 220V AC ± 10%, (6KW and below: Single Phase 220V AC ± 10%)
	Current	71 A (Max)
	Frequency	60Hz ± 5%
	Power Factor	>= 0.9@Output 12KW
	Efficiency	>=85%@ Output 12KW
	Protection	Over-Current Protection, Low-Voltage Protection, Over-Voltage Protection
Output	Voltage	50~500Vdc
	Current	Customizable
	Power	12KW(Max)
	Battery Type	Lithium Iron Phosphate, Lithium, and Lead-Acid
	Protection	Short-Circuit Protection, Over-Current Protection, Low-Voltage Protection, Over-Voltage Protection, Reverse Polarity Protection, Over-Temperature Protection
Control Interface	Display	Charging Status and Data Display
	Communications	Charger to Control unit : CAN and other Customer equipment, Customized I/O interface
Operating Environment	Operating Temperature	- 10°C ~ 50°C
	Storage Temperature	- 20°C ~ 70°C
	Humidity	90%RH (MAX)
Product Dimensions	Dimensions	L 539 x W 506 x H 300 (mm)
	Net Weight	40 kg
	Cooling Method	Forced Fan Cooling
Product Standard	Certifications	Meets International Safety Standard
Other	Product specifications subject to change with notice	

