

Welcome To

 **SINPRO**

**EV**

Motor / Motor Driver / Charger / DC-DC

SPS for ITE / Medical / Industrial

ODM / OEM

01

Global Locations

## Company Profile

02

Products Series

## EV Products & Application

03

New Products (2021~2022)

## Two-Year Plan





### SHENZHEN FACTORY (China)

- Area: 7,500 m<sup>2</sup>
- SPS, Transformer, Cable
- Employees: 300



### KAOHSIUNG COMPANY (Taiwan)

- Operation Center
- Area: 1,696 m<sup>2</sup>
- Employees: 50



### PINGTUNG FACTORY (Taiwan)

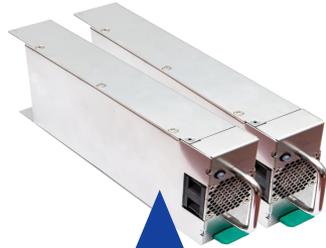
- Area: 10,000 m<sup>2</sup>
- Power Supply manufacturing
- Employees: 250



# **EV** *Products & Application*



Battery Swap System



Charger for Battery Station



Battery Charger



DC to DC



Motor & Motor Driver



On Board Charger



Wiper Motor Controller



Battery Discharger

# B to B

## Battery Swap System

 **SINPRO**



### Highlight

- Modular Design
- Customization
- Cloud operation interface

**B2B & Charging Factory**

**EV**

# Battery charging system - Digital control



Power : 300W~700W  
Spec : 5A 、 12A

## Highlight

- N + 1 redundancy possible. Installation, repair is convenient, Even if one unit breaks down, the other can be used.
- Communication Interface: CAN BUS (custom available)
- Automatically identify the charging mode and increase battery life according the battery characteristics.

## Application

- Battery Swap System
- Quick Charging System

Charger for Battery System

EV

# EV/E-Bike Charger and fast charger



Power : 150W~900W  
Spec : 3A , 5A , 12A , 15A

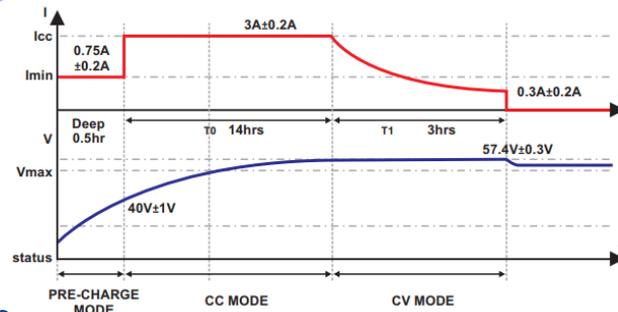
BPU170-112  
Charge  
characteristic  
Chart→

## Highlight

- Smart Charging-digital
- Charger for lithium ion battery
- High Efficiency: 94%
- High voltage and current accuracy

## Application

- Commercial Fast charging
- Household charging
- EV/E-bike charger



PRE-CHARGE CURRENT : 0.75A±0.2A  
PRE-CHARGE VOLTAGE : 32-40V±1V  
FULL CHARGE CURRENT : 3A±0.2A  
FULL CHARGE CUT-OFF CURRENT : 0.3A±0.2A  
FULL CHARGE VOLTAGE : 57.4V±0.3V

SINPRO

Battery Charger

EV

# EV/E-Bike DC/DC converter



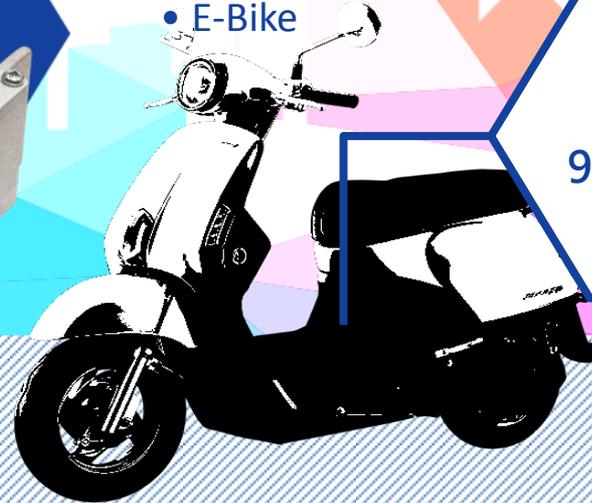
For 96V/48V/36V  
input battery System

## Highlight

- Customization available
- C.C.+C.V. mode
- Varies protection
- IP67 Grade

## Application

- Two / Three wheelers
- E-Bike



DC/DC  
96V to 12V

DC-DC

EV

# 7.6KW Motor & Motor driver

## GIK7600-103 //

Motor Type :

Interior Permanent Magnet Synchronous Motor

Cooling Method: water cooling system

Max output power: 7.6 KW @ 1000 RPM

Max torque: 78 N\*m @ 0 - 830 RPM

Maximum efficiency: 90% @ 1250 RPM

Minimum efficiency: 42% @ 100 RPM



## RFK7600-103

-MAX-

- Rated input voltage: 55Vac , 3-PHASE
- Input current: 115A
- Torque: 78 N\*m @ 0 - 830 RPM
- Output power: 7.6 KW @ 1000 RPM
- Revolution(s) Per Minute: 3000 RPM

## DFK7600-114

- Rated input voltage: 96 Vdc
- Rated output voltage: 55Vac , 3-PHASE
- Rated power: 7600W
- Rated current: 115A

# Wiper Motor Controller



## Highlight

- Vin: 10~16Vdc
- Vout: 13.5V @ 9A
- Maximum output power:  
121W



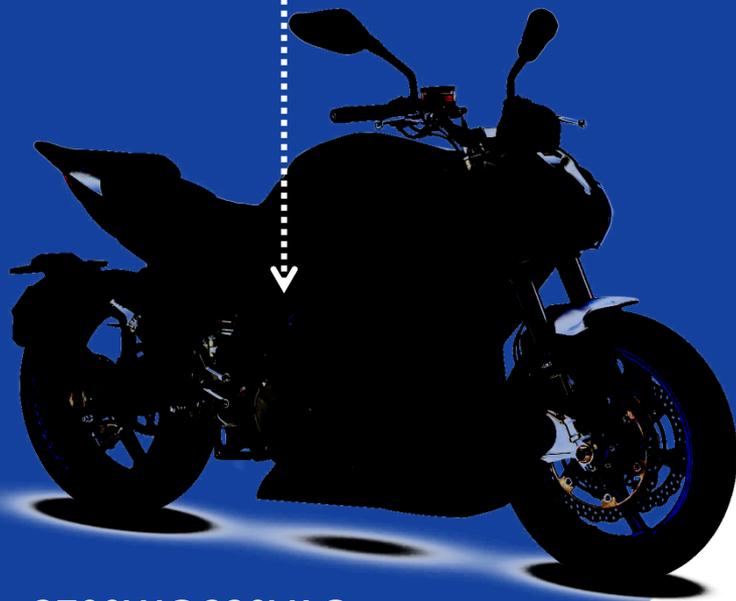
## Protection

Built-in E-FUSE, OCP, OVP, OTP.  
Input reverse polarity protection  
Short circuit protection.

**Wiper speed controller**

**EV**

# 3.7 KW On-board charger



3700W@220VAC  
1600W@110VAC

## Highlight

- High efficiency up to 93%
- Operating temperature: -35 to +65°C
- CAN bus Interface
- Water-cooled

## Application

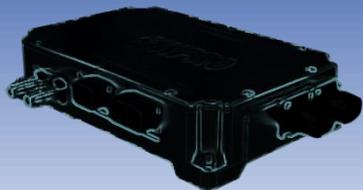
- Electric motorcycle
- Powered pallet trucks
- Golf carts

## Battery Discharger - Customization

- Power : 625W
- 5A discharge



# New Products (2021~2022)



7.6KW  
On Board Charger



350~500W  
DC / DC



17.6KW  
Motor Driver



1.5KW  
Battery Charger

## Application

- Electric Motorcycle
- Forklift Truck
- Golf Cart
- Floor Cleaning Machine
- Automation Guided Vehicle
- Aerial Work Platform



**Thank you**