



Website



WhatsApp

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BUS & COACH PARTS CATALOG

ONE-STOP BUS PARTS SUPPLIER

COMPANY INTRODUCTION

Shanghai TRION Industrial Co.,Ltd. is a private company engaged in designing, manufacturing and selling auto parts and designing service of new energy vehicle. The company was founded in year of 2010. Its eadquarter and R&D center are located in Shanghai. There are several plants all over the China.

At present, the company's products are mainly body parts, intelligent cockpit parts and dedicated parts to new energy vehicles, such as passenger doors, luggage compartment doors, car door locks, seats, instrument clusters, infotainment screen, body control module, gateway module, AVAS, tire pressure monitoring system, ultrasonic sensors, optical rainfall sensors, electric portal axel and electric power steering. Currently, the company's products have been adopted by many foreign customers, and won the praise of customers.

We believe that the product quality is the base of everything. So we setup completed procedure of R&D and strict manufacturing process in accordance with quality management system of ISO9001 and IATF16949. We strictly control the product quality to deliver zero default product to our customers.

With the development of new energy technology and the popularity of new energy vehicle, TRION built an experienced team providing new energy vehicle designing service. This service covers designing of electric powertrain, electric chassis and electric vehicle. Additionally, TRION can make full use of resource of supply chain and provide one-stop purchasing service to customers.

Our purpose is to recommend the most suitable products to customers by accurate understanding of their requirements via efficient communication, professional know-how and abundant product lines and assure high quality delivery through excellent project management skills and quality control methods.

CONTENTS

- Bus Passenger Door
- Bus Luggage Compartment Door
- Bus Seat
- Bus Interior Trim
- Bus Handrail And Partitions
- Wheelchair Assistant Device
- Bus Door Lock
- LED Sign Board
- CCTV
- Onboard Wireless Charger
- AVAS
- Electric Driving Axle



PNEUMATIC OUTSWING DOOR (SOD100P)



Control Voltage:	DC 12V(24V)
Rising Height:	20mm
Pneumatic Pressure:	0.4-0.8Mpa
Loading Capacity:	≤2000N
Swing Direction:	Forward/Backward
Ambient Temp:	-40°C ~ +60°C
Max Swing Angle:	140°



PNEUMATIC INSWING DOOR (SID100P)



Operator For Single Door Panel



Operator For Double Door Panel

Control Voltage:	DC 12V(24V)
Pneumatic Pressure:	0.4-0.8Mpa
Loading Capacity:	≤800N
Life Endurance:	500,000 times
Ambient Temp:	-40°C ~ +60°C
Opening Angle:	≤90°

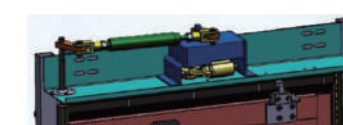


ELECTRIC OUTSWING DOOR (SOD100E)



Control Voltage:	DC 12V(24V)
Rising Height:	16mm
Motor Power:	80W
Loading Capacity:	1000N
Swing Direction:	Forward/Backward
Ambient Temp:	-40°C ~ +60°C
Max Swing Angle:	140°
Anti-clamp Torque:	≤38N.m

ELECTRIC INSWING DOOR (SID100E)



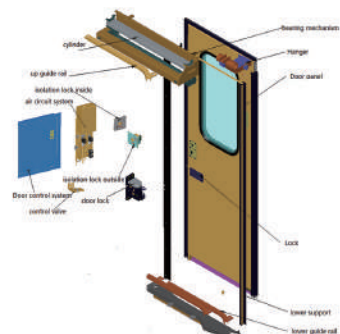
Single Leaf



Double Leaf

Control Voltage:	DC 12V(24V)
Motor Power:	40W
Max Driving Force:	2000N
Ambient Temp:	-40°C ~ +80°C
Duration:	500000
Style:	Single And Double Leaf Style

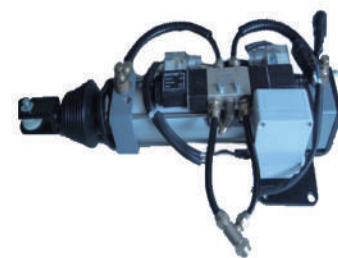
PNEUMATIC SLIDING PLUG DOOR (SPD100P)



Control Voltage: DC 12V(24V)
Pneumatic Pressure: 0.4-0.8Mpa
Noise: $\leq 70\text{dBA}$
Loading capacity: $\leq 1000\text{N}$
Ambient Temp: $-40^{\circ}\text{C} \sim +60^{\circ}\text{C}$



PNEUMATIC FOLDING DOOR (FD100P)



Stroke: 150mm/180mm
Diameters: 50mm
Door Working speed: 3-5s
Working Pressure: 90-125Psi
Ambient Temp: $-40^{\circ}\text{C} \sim +65^{\circ}\text{C}$



ELECTRIC SLIDING PLUG DOOR (SPD100E)



Control Voltage: DC 12V(24V)
Pneumatic Pressure: 0.4-0.8Mpa
Peak Current: 20A
Life Span: $> 150,000$ times
Ambient Temp: $-40^{\circ}\text{C} \sim +60^{\circ}\text{C}$

ELECTRIC FOLDING DOOR (FD100E)

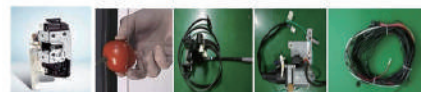


Control Voltage: DC 12V(24V)
Pneumatic Pressure: 0.4-0.8Mpa
Push Power: $\leq 1000\text{N}$
Open Direction: Forward/Backward
Ambient Temp: $-40^{\circ}\text{C} \sim +60^{\circ}\text{C}$

ELECTRIC AUTO SLIDING DOOR (ASD100)



B Shaft Switch Control Board Upper and Middle Self Priming module



electrolytic module Antipinch Module Driving Mechanism Wiring

Control Voltage: DC 12V(24V)
Max Driving Current: 10A
Self Weight: 43-46kgs
Max Loading: 350kgs
Ambient Temp: -40°C ~ +50°C



EMERGENCY DOOR (ED100)



- Emergency door is setup on vehicle in compliance of compulsory regulations in each country.
- Emergency door can be opened manually in emergency case as a safe evacuation exit.
- Emergency door should be designed according to vehicles and regulations.

MANUAL LUGGAGE COMPARTMENT DOOR (LCD100M)



- Vertically lifting and decending of door panel
- Open and close luggage compartment door manually
- Door panel and door lock are optional
- Dimension of mechanisam can be customized according to vehicles



PENUMATIC LUGGAGE COMPARTMENT DOOR (LCD100P)



Control Voltage: DC 12V(24V)
Pneumatic Pressure: 0.4-0.8Mpa
Loading Capacity: ≥250N
Ambient Temp: -40°C ~ +60°C
Max Swing Angle: 150°

DRIVER SEAT SERIES



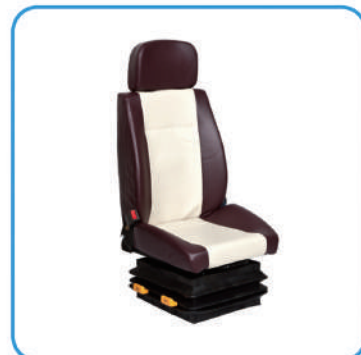
QTCD Airbag Shock Absorption
Driver Seat



QTCG Airbag Shock Absorption
Driver Seat



QTCG 2.0 Airbag Shock Absorption
Driver Seat



SJ Driver Seat



JTC Mechanical Shock Absorption
Driver Seat



BUSINESS SEAT SERIES



VIP 3.0 Luxury Business Seats



VIP Luxury Business Seats



Business C Seat

COACH SEAT SERIES



Middle Business Seats



Small Business Seats



Navigator Seat



Furui Seat



Fuhao A Seat



Danning D Seat



Danning D II Seats



Fuyu Seat



Beijixing Chair



Danning C Seat



3+2 Seats



School Bus Seats

CITY BUS SEAT SERIES



Intercity Bus Seats



Fujin Bus Seats



Fuhang Bus Seat



L-shaped Bus Seats



Tianzhushan Bus Seat



K01 Folding Seat



D7 Folding Seat



D6 Folding Seat



D8 Slow Rebound Folding Seat



COASTER SEAT SERIES



BRICS Business Seats



Business K Seats



KST Coaster Seat

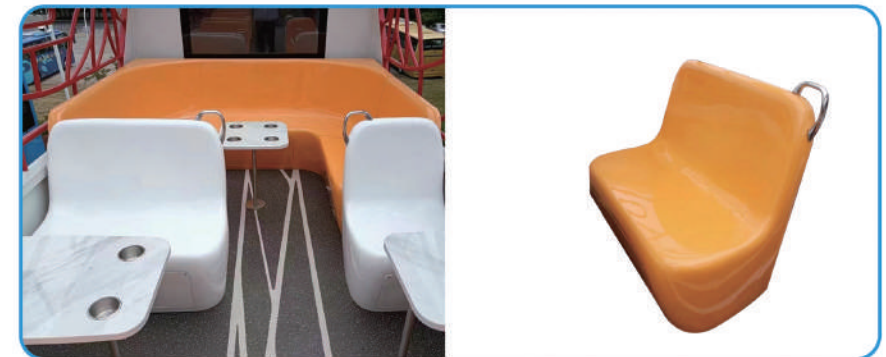
CUSTOMIZED SEAT SERIES



VIP Cassette Seats



Camping Car Seats



Fiberglass Seats

NEW KAIGE SERIES



Details



Diamond Grid Ceiling



Fashion Series



PT-06 Air Outlet



Up Air Outlet



Air Outlet + Transition Plate



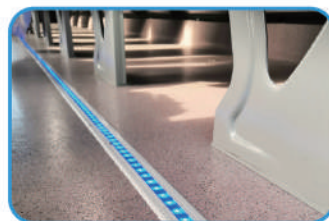
Luggage Rack & Corridor Light



Luggage Rack & Corridor Light



Body Decoration Light

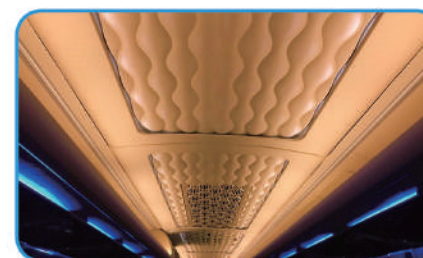


Floor Decoration Light

NAVIGATOR SERIES



Details



Roof Cover



Front Roof Interior Cover



Air Outlet + Transition Plate



Handmade Stitching Process For Side Panels

PATTY CONNOR SERIES



Details



Luggage Rack



Gift Rack Plug



Door Toolbox (Optional)



Air Channel

CITY BUS SERIES



Details



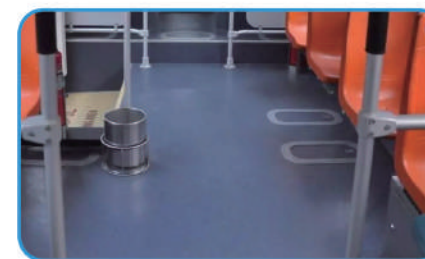
Driver Surround



Air Channel



Bus Handrail



Bus Floor Leather

COASTER SERIES



Details



Roof Cover



Instrument Panel



Air Channel



Air Outlet

HANDRAIL PARTS

TUBE I- PVC PLASTIC COATED



Ø38.1



Ø35



Ø31.75

TUBE II- ALUMINUM TUBE



Ø25.4 Ø31.75 Ø35



Ø31.75 Ø35 Ø38.1



Ø30 Ø31.75 Ø31.75

TUBE III- POWDER COATED TUBE



Ø25.4 Ø31.75



Ø25.4 Ø31.75 Ø35 Ø38.1

TUBE IV-STAINLESS STEEL TUBE OR STAINLESS STEEL CLAD TUBE



Ø12.7 Ø15.88 Ø19.05 Ø22.2 Ø25.4 Ø31.75 Ø38.1

KD-LF 35 HANDLE SUPPORT SERIES



KD-LF35001



KD-LF35002



KD-LF35003



KD-LF35004



KD-LF35005



KD-LF35006



KD-LF35007



KD-LF35009



KD-LF35010



KD-LF35011



KD-LF35012



KD-LF35013



KD-LF35014



KD-LF35015



KD-LF35016



KD-LF35017



KD-LF35018



KD-LF35019



KD-LF35020



KD-LF35021



KD-LF35022



KD-LF35023



KD-LF35024



KD-LF35025



KD-LF35027



KD-LF35028



KD-LF35029



KD-LF35030



KD-LF35031



KD-LF35032



KD-LF 32 HANDLE SUPPORT SERIES



ACCESSORIES



HANDRAIL PARTS IN STAINLESS STEEL FOR RAIL VEHICLES



32 Hidden Baffle



32 Bringing Column-shaped
Straight Seat



32 Single Hole Expansion
Internal Joint



Glass Clip



32 Hanging Ring Pinch



32 Short Base



35 Side Seat



32 Double-hole Expansion
Internal Joint



32 Hidden Trinity (Big)



32 Hidden Trinity (Small)



32 Hidden Four Pass



35 Diamond Support



35 Expansion
Internal Connect



Disassembling Suspension
Pipe Clip



Rod Clip

PARTITIONS



Activity Repository Fence



Polyurethane Foam
Protective Barrier



Polyurethane Foam
Protective Barrier
(With Tea Table)



Multiple Fabric Right
Protective Fences



Plastics Fence

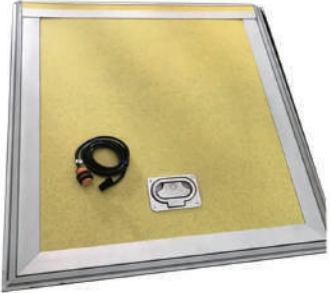


Left-handed Fence



Stainless Steel Velvet
Right Protective Bar

MANUAL WHEELCHAIR RAMP
(WCR100M)



CE certified
Non-slip platform
Loading Capacity: 350kgs
Dimention: Customized



ELECTRIC WHEELCHAIR RAMP
(WCR100E)



Working Pressure: 0.4~0.8Mpa
Loading Capacity: more than 400N
Max Door Length: 4 meters
Ambient Temp: -40°C ~ +60°C

WHEELCHAIR RESTRAINING SYSTEM
(WRS100)



Wheelchair restraining system is installed on bus to fix wheelchair for disable people's safety. The four rails are fixed on the bus floor and four restrainers are respectively clamped on the rail and the corresponding frame of wheelchair. The wheelchair can be well fixed on the bus floor when bus is moving. The wheelchair will not have any moving.



ELECTRIC FOOT SLIDING STEP
(FS100E)



Control Voltage: DC 12V(24V)
Working Current: ≤ 6A
Loading Capacity: ≤150kgs
Ambient Temp: -40°C ~ +65°C
Life Cycle: 200000 times

106 SERIES Suitable for medium-sized passenger cars



107 SERIES Suitable for medium-sized passenger cars



108 SERIES Suitable for medium-sized passenger cars



085A SERIES Suitable for medium-sized passenger cars



SIDE DOOR LOCK MODULES

115A SERIES

External Handle



0110A

Inner Handle



0407A

Lock Body



0312A

115B SERIES

External Handle



0109B

Inner Handle



0407A

Lock Body



0313A

HEAVY DUTY TRUCK

080 SERIES

External Handle



0106A

Optional Inner Handle



0405A

0406A

Ignition Switch



1002A

External Handle



0107A

Lock Body



0315A

090 SERIES

CITY BUS LOCK MODULES

IN SWING DOOR
GLASS LOCK

0125B

ELECTRIC
CONTROL

175/176 SERIES

Lock Head Optional



0509A

0510A

Lock Body



0122

SIDE COMPARTMENT DOOR LOCK MODULES

Optional External Handle



0143A



0143B



0140A/0140B/0140C



0126A/0126B



0127A



0129A/0129B



0128A



0128B



0130A/0130C



0132A



0133A/0133B/0133C



0136A



0137A



0139A/0139B



0145A

EMERGENCY DOOR LOCK MODULES FOR SCHOOL BUS



186 Series



187 Series

FOLDING DOOR LOCK MODULES

123 SERIES

Suitable for medium-sized passenger cars

External Handle



0121A

Lock Body



0705A

121 SERIES

Suitable for medium-sized passenger cars

Optional External Handle



0117A



0119A

Lock Body



0705A



0705A

SWING DOOR LOCK MODULES

136 SERIES

Suitable for large and medium-sized passenger cars

Optional External Handle



0113A



0114A



0114D

ELECTRIC
CONTROL

166 SERIES

Suitable for medium-sized passenger cars

External Handle



0112A

Inner Handle



0408A

Lock Head



0525A

Locking Mechanism



0306A

Internal Opening Mechanism



0307A

Conversion Mechanism



1404A



0146A



0147A



0148A



0149A



0150A



0801A/0801B



0802A/0802B



0501A/0501B/0501C



0501G



0512A/0512B/0512C

0504A/0503B/
0504E/0504F

0505A/0505B



0513A



0519A



0511A



0511C



0506A

0507A/0507B/0507C/
0507D/0507E

0526A/0526B



0522A



0523A



0524A/0524B/0524C



0525A



0527A



0502A~0502H



0528A



0529A



0503A



0532A



0533A



0515B/0515C



0517A



0518A



0601A



0602A



0602B



603A



603B



604A



0605A

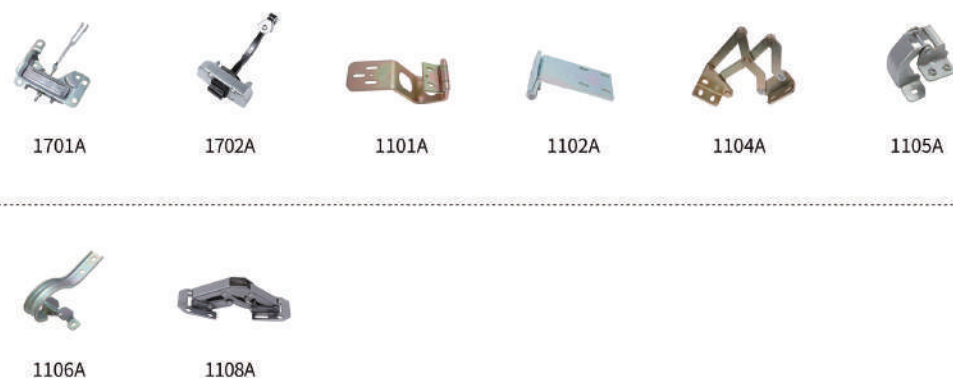


0610A





DOOR LIMITERS & HINGES



GENERAL LED SIGN BOARD



PASSENGER INFO LED BOARD



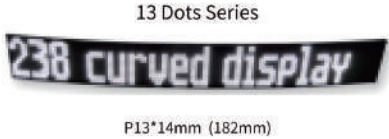
HIGH QUALITY LED SIGN BOARD



COST EFFECTIVE DIP LED SIGN BOARD

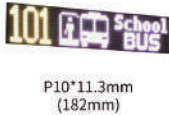


CURVED LED SIGN BOARD

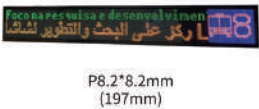


RGB LED SIGN BOARD (FULL COLOR)

16 Dots Series



24 Dots Series



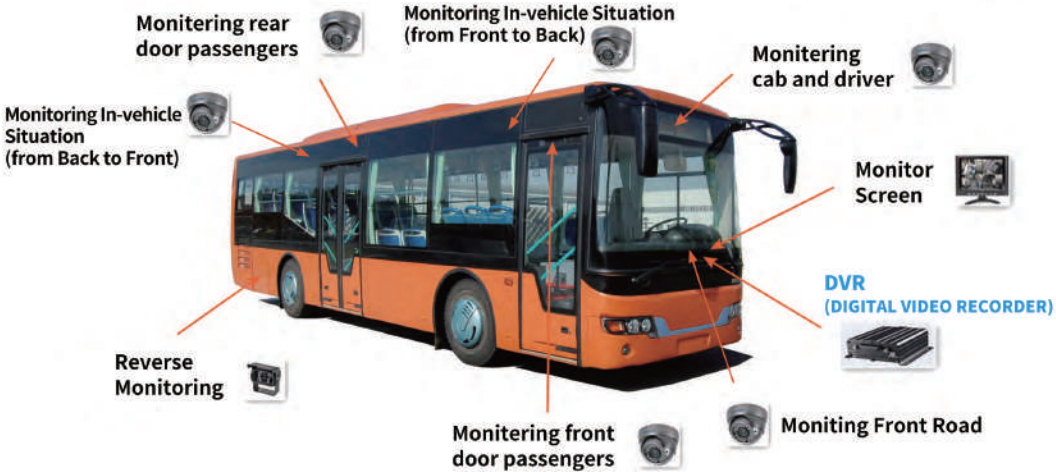
LCD DISPLAYER FOR BUS & RAIL VEHICLES



OTHERS



CCTV



DVR Turn-key solution: For passenger car and commercial Vehicle
Clearer video: Recorded with 1080N or 1080P high definition
Optional back-office platform: Supporting remote monitoring including vehical localization,status and video etc.

	TR5504	TR5704	TR5708
Appearance			
Dimension	142mm*153mm*33mm	162mm*153mm*52mm	162mm*180mm*50.5mm
Working Temperature	-20 ~ 70℃		
Operating Voltage	DC:9V ~ 36V	DC:10V ~ 36V	DC:8V ~ 32V
Storage	SD Card (Max 256G)	2.5 inch HDD(Max 2TB) + SD Card (Max 256G)	
Channel Of Camera	4		8
Encoding Capacity	720P /960H/D1/CIF		1080N/720P/960H/D1/CIF
External Monitor	1 or 4 Windows Display	1 or 2 or 3 or 4 Windows Display	1 or 2 or 3 or 4 or 9 Windows Display
Video Recording Bit Rate	Support Full Frame 4096kbps (6 Selectable Levels)		
I/O	1 ACC input, 4 analog inputs, 4 logical inputs, 1 analog outputs, 1VGA, 1 RS232		1 ACC input, 8 analog inputs, 4 logical inputs, 1 analog outputs, 1VGA, 1 RS232
Options	GPS/BD positioning; 3G/4G(CDMA/EVDO/GPRS/WCDMA/LTE); WIFI(802.11 b/g/n)		
Specialty	Back-office platform supported; Friendly HMI; Embeddedsupercapacitor protection		

ONBOARD WIRELESS CHARGER



Onboard wireless charger is dedicated to application on variant vehicles. The product adopts Qi as standard of wireless charging and can charge most of phones on market for example iPhone, Android phones and Harmony phones. Power of wireless charger can automatically adapt to charging power of phones example 5W, 7.5W, 10W, 15W. The design of product takes charging safety into account completely.



Certification of Product: CE, UL, FCC, ROHS etc.



Applicable Vehicles: Bus, Trucks, Folk lift, Excavator, Off-road vehicles, Special Purpose Vehicles

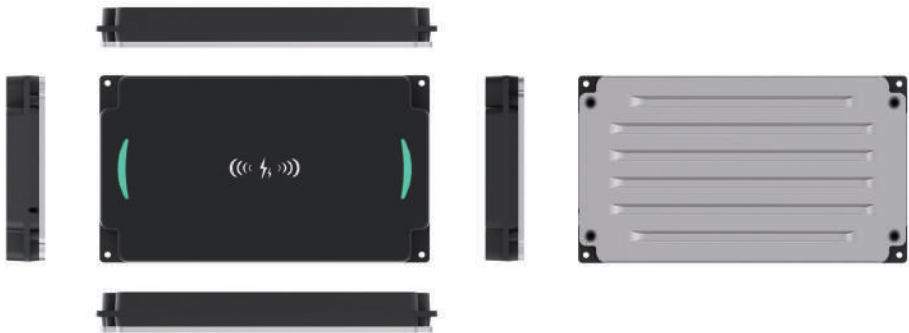
SLOT TYPE OF ONBOARD WIRELESS CHARGER



TECHNICAL PARAMETERS	
Range of Power Supply	9V~36V
Power	<20W
Quantity of Coil	1
Standard of Wireless Charing	Qi
Dimension of Charger	L120mm*W50mm*H131mm
Working Frequency	110KHz - 205Khz
Distance of Wireless Charging	<10mm
Working Temperature	-30°C~75°C
Storage Temperature	-40°C~85°C

FUNCTIONS	
Working status indicated by LED	Green: Standby Blue: Charging Blinking in Bule and Green: Fault
Overvoltage Protection	Automatic activation when the voltage higher than 36V
Surge Protection	YES (with TVS)
Polarity Reversing Protection	YES
FOD Detection	YES (LED blinks in bule and green.)
Over-temperature Protection	YES (with PTC)
Short Circuit Protection	YES
Protection Level	IP65
Anti-vibration Design	YES

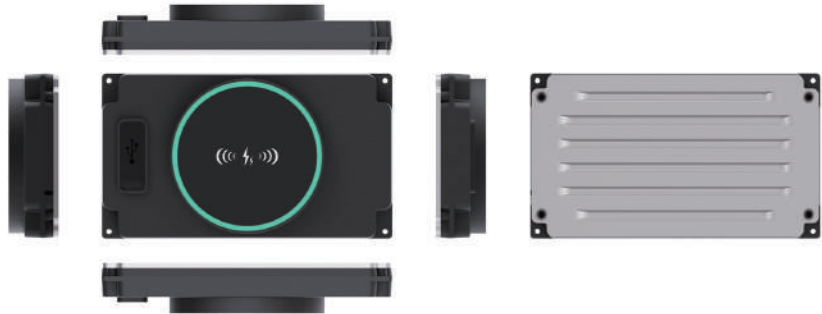
PAD TYPE OF ONBOARD WIRELESS CHARGER



TECHNICAL PARAMETERS	
Range of Power Supply	9V~28.5V
Power	<20W
Quantity of Coil	3
Standard of Wireless Charing	Qi
Dimension of Charger	L114mm*W64mm*H14mm
Working Frequency	110KHz ~ 205Khz
Distance of Wireless Charging	<10mm
Working Temperature	-30°C~75°C
Storage Temperature	-40°C~85°C

FUNCTIONS	
Working status indicated by LED	Green: Standby Blue: Charging Red: Fault
Overvoltage Protection	Automatic activation when the voltage higher than 28.5V
Surge Protection	YES (with TVS)
Polarity Reversing Protection	YES
FOD Detection	YES (LED blinks in bule and green.)
Over-temperature Protection	YES (with PTC)
Short Circuit Protection	YES
Protection Level	IP65
Anti-vibration Design	YES

MAGNET TYPE OF ONBOARD WIRELESS CHARGER
(WITH TYPE-C PORT)



TECHNICAL PARAMETERS	
Range of Power Supply	9V~28.5V
Power of Wireless Charging	<20W
Power of Type-C Charging	<22W
Quantity of Coil	1
Standard of Wireless Charing	Qi
Dimension of Charger	L114mm*W64mm*H14mm
Working Frequency	110KHz ~ 205Khz
Distance of Wireless Charging	<10mm
Working Temperature	-30°C~75°C
Storage Temperature	-40°C~85°C

FUNCTIONS	
Working status indicated by LED	Green: Standby Blue: Charging Red: Fault
Overvoltage Protection	Automatic activation when the voltage higher than 28.5V
Surge Protection	YES (with TVS)
Polarity Reversing Protection	YES
FOD Detection	YES (LED blinks in bule and green.)
Over-temperature Protection	YES (with PTC)
Short Circuit Protection	YES
Protection Level	IP65
Anti-vibration Design	YES
Fixed by Magnet	Align charging coil accurately to get max charging efficiency

CLIP TYPE OF ONBOARD WIRELESS CHARGER



TECHNICAL PARAMETERS	
Range of Power Supply	5V or 9V via Type-C
Power	<20W
Quantity of Coil	1
Standard of Wireless Charing	Qi
Dimension of Charger	L115mm*W8mm*H5.5mm
Working Frequency	110KHz ~ 205Khz
Distance of Wireless Charging	<10mm
Working Temperature	-30°C~75°C
Storage Temperature	-40°C~85°C

FUNCTIONS	
Working status indicated by LED	Blue: Standby Green: Charging
Overvoltage Protection	Automatic activation when the voltage higher than 16V
Surge Protection	YES (with TVS)
Polarity Reversing Protection	YES
FOD Detection	YES (LED blinks in bule and green.)
Over-temperature Protection	YES (with PTC)
Short Circuit Protection	YES
Auto opening and closing of clip	YES (By touching)

ACOUSTIC VEHICLE ALRAM SYSTEM (AVAS)

Application: For All Kinds Of Electric Vehicle

CAN network is necessary for AVAS application on EV



Rated Voltage: DC12V or DC24V
Working Voltage: DC 9V ~ 16V (12V Model) or 16V ~ 32V (24V Model)
Working Temp: -30°C ~ 85°C
Storage Temp: -40°C ~ 105°C
Working Current: ≤0.8A/12V
CAN Baudrate: 250kbps or 500kbps
Volume: Max 75dB (12V/1m from front of vehicle)
Protection Level: IP67

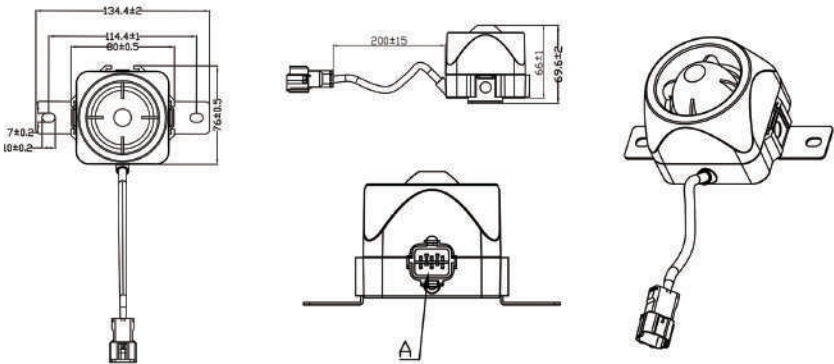


Function Description

AVAS should get current gear status and speed of vehicle from CAN network.

- Neutral: no sound
- Drive: no sound when vehicle speed is zero
- Drive: from 0 to 20km/h, generating specific sound, volume goes up or down with vehicle speed
- Reverse: The warning sound is "Du Du"

Product Dimension (Unit: mm)



9T STEERING ELECTRIC PORTAL AXLE

APPLICATION: AUTONOMOUS RAIL RAPID TRANSIT

(EA1100K)



Rated Voltage: 600 V
 Motor Power(Peak/Rated): 2*90 / 2*55 KW
 Motor Torque(Peak/Rated): 2*350 / 2*140 N.m
 Max Motor Speed: 9500 r/min
 Axle Weight: 850 kgs
 Max Wheel Speed: 540 r/min
 Rim Size: 22.5 inch



13T ELECTRIC PORTAL AXLE

APPLICATION: 10.5-18M CITY BUSES

(EA2100N)



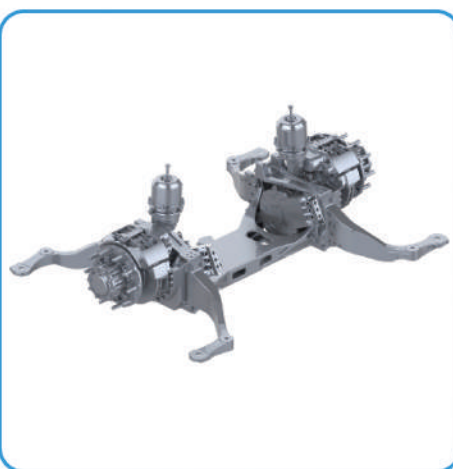
Rated Voltage: 540 V
 Motor Power(Peak/Rated): 2*160 / 2*95 KW
 Motor Torque(Peak/Rated): 2*580 / 2*220 N.m
 Max Motor Speed: 8000 r/min
 Axle Weight: 1080 kgs
 Max Wheel Speed: 430 r/min
 Rim Size: 22.5 inch



9T RIGID ELECTRIC PORTAL AXLE

APPLICATION: 8-9M CITY BUSES

(EA1400K)



Rated Voltage: 540 V
 Motor Power(Peak/Rated): 2*120 / 2*60 KW
 Motor Torque(Peak/Rated): 2*400 / 2*145 N.m
 Max Motor Speed: 9500 r/min
 Axle Weight: 850 kgs
 Max Wheel Speed: 540 r/min
 Rim Size: 22.5 inch

13T/16T DISTRIBUTED DRIVE AXLE

APPLICATION: TRACTORS, TRUCKS, COACH

(EA5000N)



Rated Voltage: 540 V
 Motor Power(Peak/Rated): 2*180 / 2*80 KW
 Motor Torque(Peak/Rated): 2*520 / 2*260 N.m
 Max Motor Speed: 9500 r/min
 Axle Weight: 950 kgs
 Max Wheel Speed: 620 r/min
 Rim Size: 22.5 inch