

ST-E008A

Adapter (AC)

NACS TO J1772



User Manual

Product Overview

Overview

This series of products are single-phase three-wire or three-phase five-wire input/output AC charging interface adapters, with rated currents of 32A or 50A. They are primarily used for electric vehicle AC charging. The product adopts an industrial design principle, offering ease of use, flexible configuration, and a compact size.

Features

- Power connection methods: Optional single-phase three-wire, three-phase five-wire, American standard single hot-wire, or American standard dual hot-wire.
- Rated output current: Optional 32A MAX or 50A MAX.
- Dustproof and waterproof rating: Optional IP55 or IP67.

Applications

AC charging for new energy vehicles.

Safety Precautions

- Always disconnect the power supply when replacing or using the adapter to prevent electric shock. The connection between the adapter and the charging gun must be secure and well-insulated. Loose or damaged connections may cause circuit malfunctions, severe injuries, or even fires.
- Any faults that may affect safety must be resolved by professional technicians.
- The company is not liable for any losses caused by failure to comply with the safety precautions.

Technical Parameter

Electrical Parameters	
Work Voltage:	AC 110V~250V
Rate Current:	32A MAX
Terminal Temp Rise:	<50K
Withstand Voltage:	1500V
Material Parameters	
Case Material:	PC+PA66+GF25%
Conductor:	Copper alloy with silver plating
Coupled Insertion Force :	45N<F<100N
No-Load Plugin/Out:	>10,000 times
Environmental Parameters	
Work Temperature:	-30°C~+50°C(-22°F~+122°F)
Work Humidity:	5%~95%
Work Altitude:	≤ 2000 Meter
IP Code:	IP55/IP67 (Optional)
Certification:	FCC/CE
Size&Package	
Product Size:	L:169.6*W:70.0*H:69.9mm
Inner Box:	L:186.0*W:75.0*H:75.0mm
Outer Carton:(10 pieces)	L:400.0*W:210.0*H:175.0mm
Net Weight: (1 pieces)	≤ 1KG

Usage Instructions

1. Ensure the output power cable of the American standard charging gun meets the rated current and output power requirements, with good contact at the power supply terminals.
2. The ambient temperature must be within the range of -30 °C to +50 °C (-22°F to +122°F). Keep away from open flames or heating objects, avoid high temperatures, handle with care, and avoid dropping or impact.
3. Connect the adapter in the direction indicated by the arrow on the adapter (the arrow points to the vehicle side).
4. The adapter is available with IP55 or IP67 protection ratings, but seals may degrade over time, reducing protection levels. Therefore, avoid placing the adapter in low-lying or water-prone areas to prevent leakage. The operating altitude must not exceed 2000 meters.