

# SAE AC Charging Connector

## Product Introduction

The SAE AC charging connector complies with IEC 62196-2 and SAE J1772 standards. It is mainly used in North America . Charging is available with metric AWG cables that can transmit up to 48A and 240V.



## Product Features

- The SAE AC charging connector is suitable for charging new energy vehicles with American standard interfaces in the foreign new energy market
- It adopts ergonomic design and is easy to operate
- The shell and cable are molded in one piece
- It can be equipped with customized logos and customized length cables as needed

## Technical performances

### 01 Mechanical Performance

Mated force: <100N  
 Mated cycles: >10000 Cycles (Unload)  
 Cable standard: GB/T 33594-2017  
 Outer sheath material: black, rubber

### 02 Electrical performance

Voltage: 250V AC  
 Current:16A/20A/32A/40A/48A  
 Insulation resistance: ≥100MΩ  
 Withstand voltage: 2000V AC

### 03 Environmental performance

Operate Temperature: -30°C ~ +85°C  
 IP Class: IP55  
 Flame class: UL94-V0

## Performance Specifications

SAE AC charging connector							
Code	Type	Rated current	Rated voltage	Withstand voltage	Insulation resistance	Wire harness specification	Cable outer diameter
30001	AP-SAC-16P	16A	240V	2000V AC	≥100MΩ	14AWG	10.0±0.5
30002	AP-SAC-20P	20A	240V	2000V AC	≥100MΩ	12AWG	11.8±0.3
30003	AP-SAC-32P	32A	240V	2000V AC	≥100MΩ	10AWG	16.5±0.5
30004	AP-SAC-40P	40A	240V	2000V AC	≥100MΩ	9AWG	17.0±0.5
30005	AP-SAC-48P	48A	240V	2000V AC	≥100MΩ	8AWG	20.5±0.5