

# GB/T AC Straight Charging Connector (Pile end power plug)

## Product Introduction

The GB/T AC straight charging Connector is suitable for single-phase and three-phase AC charging in China in line with GB/T20234.1 standard, the charging gun metric cable can transmit up to 48A current and up to 440V voltage. This GB/T AC straight charging Connector is suitable for pile-end power supply plugs, and the locking bayonet anti-loosening device can ensure a firm and reliable connection.



## Product Features

- The handheld design is ergonomic and comfortable to hold
- Built-in switch and electronic lock module, which is more convenient for maintenance and replacement
- Vehicle plug with built-in lock and protective cover
- We can customize the cable length and redesign according to customer requirements

## Technical performances

### 01 Mechanical Performance

Mated force: <100N  
 Mated cycles: >10000 Cycles (Unload)  
 Outer sheath material: black, rubber

### 02 Electrical performance

Voltage: 250V /440V AC  
 Current: 16A/32A  
 Insulation resistance: ≥100MΩ  
 Withstand voltage: 2000V AC

### 03 Environmental performance

Operate Temperature: -40°C ~ +85°C  
 IP Class: IP55  
 Flame class: UL94-V0

## Performance Specifications

GB/T AC straight charging Connector(Pile end power plug)							
Code	Type	Rated current	Rated voltage	Withstand voltage	Insulation resistance	Wire harness specification	Cable outer diameter
26020	AP-GAC-16PEP-1P	16A (single-phase)	250V /440V AC	2000V AC	≥100MΩ	2.5mm <sup>2</sup>	12.5±0.5
26021	AP-GAC-32PEP-1P	32A (single-phase)	250V /440V AC	2000V AC	≥100MΩ	6mm <sup>2</sup>	15.5±0.5
26022	AP-GAC-16PEP-3P	16A (three-phase)	250V /440V AC	2000V AC	≥100MΩ	2.5mm <sup>2</sup>	15.5±0.5
26023	AP-GAC-32PEP-3P	32A (three-phase)	250V /440V AC	2000V AC	≥100MΩ	6mm <sup>2</sup>	18.3±0.5