

Charging Station Adapter Box

SWT-1



- IEC 62196-1
- IEC 62196-2
- IEC 62196-3
- IEC 61851-1
- IEC 61851-21
- IEC 61851-22
- GB/T 18487.1-2011

Features

- > Various interface conversion options are available to facilitate disturbance signal injection testing
- > 22U rack-mounted cabinet with casters for easy transportation
- > Supports AC charging current up to 63 A and DC charging current up to 250 A

Introduction

The SWT-1 charging station adapter box complies with IEC 62196-1/-2/-3 and IEC 61851-1/-21/-22 and is an interface conversion device specially developed for EMC immunity testing. It supports multiple interfaces, including GB-standard charging connectors, European-standard charging connectors, AC/DC charging station, and banana terminals, providing convenient access for injecting disturbance pulses such as EFT/burst and surge into the vehicle charging test loop.

Application Areas



Technical Parameters

AC Charging Station	EU-standard AC 415 V/63 A
DC Charging Station	EU-standard DC 1,000 V/250 A

General Parameters

Weight	Approx. 40 kg
Dimension	22 U rack
Enclosure Material	Aluminum alloy
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%

Standard Accessories

Banana Shorting Cable, Grounding Wire, HV Connection Cable, User Manual, Disturbance Injection Cable

Optional Accessories

1	Surge Generator	Model: CCS Series or CWS Series Generating 1.2/50 μ s surge waveform
2	Coupling/Decoupling Network	Model: SPN Series Available current ratings: 100 A, 200 A, 400 A
3	EFT/Burst Generator	Model: EFT Series Generating EFT/burst waveform
4	Coupling/Decoupling Network	Model: EFTN Available current ratings: 100 A, 200 A, 400 A
5	Immunity Test Software	Model: CoreLab PC software for remote control and operation

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