

DP903

Digital Power Supply & Portable Charger



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DP903 is an intelligent high-voltage power supply and multi-function mobile charging all-in-one equipment, designed for offline driving and maintenance testing of high-voltage components, as well as mobile charging scenarios for repair vehicles.



50-1000V wide voltage range, 20KW high power, 67A high current



Supports mobile charging scenarios for repair vehicles



Supports charging of battery packs or battery modules



Perform battery health checks while charging



Features

1. It integrates fast charging for the whole vehicle, blind charging for the battery pack, and high/low voltage power supply for automotive components, offering flexible compatibility;
2. The high and low voltage modules operate independently and have multiple protection mechanisms to ensure stability and safety;
3. Foldable casters, offering both easy mobility and convenient desktop placement;
4. Equipped with a 10-inch high-definition screen, featuring intuitive and smooth interaction.

Functions

- 1. Low-voltage output:** Supports 12V / 5A max constant DC output.
- 2. High-voltage output:** Supports 50-1000V DC output, adjustable output voltage and current via on-screen parameter input.
- 3. Vehicle charging:** Supports charging the entire vehicle via a national standard fast charging gun, suitable for maintenance, inspection and emergency scenarios.
- 4. Blind charging of battery packs:** Allows charging devices to charge battery packs safely and efficiently directly without relying on the BMS.
- 5. BMS data acquisition:** Supports reading parameters such as SOC, voltage, current, temperature, and cell status for cell protection and battery health assessment.
- 6. Multiple protections:** Supports overvoltage and undervoltage protection for high voltage input, overtemperature, short circuit, and reverse connection protection for high voltage output, and current limiting and short circuit protection for low voltage output.

Parameters

Charging voltage range	50~1000V	High-voltage power supply current range	0.5~20A
Charging current	67A Max	Power input	AC 274~487V 45~55Hz
Voltage accuracy	±0.5% (output voltage range 200~1000V)	Voltage and current display mode	10.1-inch color capacitive touchscreen
Current accuracy	±1% (within the range of 20% of rated output current to maximum output current)	System version	Android 8.1
Low-voltage port output voltage	12V	Communication method	RS485/CAN/USB interface/WIFI
Low-voltage port output current	5A Max	Protection mechanism	Overcurrent protection, short-circuit protection, undervoltage protection, overvoltage protection, overtemperature protection
High-voltage power supply voltage range	50~1000V		