

PTCDS-1000V70A-22kW
PTCDS-1000V140A-40kW

RePower 瑞能

Portable Battery Cluster Charger-Discharger



Application

Quickly achieve voltage matching of battery clusters/energy storage cabinets, daily maintenance of battery packs or modules, and battery pack capacity calibration; supports full-process data viewing and report generation, suitable for discharge, charging, cycle charge-discharge and other tests of various lithium battery packs on the market.

Test Functionality



Charge-Discharge
Test



Voltage
Test



Battery Pack
Relay Control



Data
Logging



Cycle Life
Test



Temperature
Test



Communication
Test



Barcode
Scanning Test

Advantages and Features

Wide-Voltage Charge-Discharge



Wide voltage design for testing battery packs of various voltage levels.

Cell & Pack Voltage Monitoring



Real-time acquisition of individual cell and total pack voltage.

Data Export



Automatic data logging and Excel export of historical test records.

Parameter Preset



One-key recall of preset working mode, battery type, voltage and current settings.

Data Visualization



Real-time display of voltage, current, status and capacity during charge and discharge.

Cell & Pack Protection



Configurable voltage thresholds prevent overcharge/over-discharge for cell protection. Supports over/under-voltage, overcurrent, short-circuit, reverse polarity and over-temperature protection for system protection.

Product Parameters

MODEL		PTCDS-1000V70A-22kW		PTCDS-1000V140A-40kW
Input	Voltage Type	Three-phase+N+PE		
	Voltage Range	260Vac~530Vac		
	Line Frequency	45Hz~65Hz		
Output	Output Voltage Range	30Vdc~200Vdc	200Vdc~1000Vdc	150Vdc~1000Vdc
	Output Current Range	0~100A	0~70A	0~140A
	Max Output Power	22kW		40kW
	Voltage Accuracy	±0.5%		
	Current Accuracy	≤±1%		
Battery BMS Communication		Supports CAN communication, RS485 communication; reads and parses BMS CAN messages, with BMS data as charge/discharge stop conditions		
Ambient Temperature		-20°C~+55°C		
Relative Humidity		≤95%RH, Non-condensing		
Cooling Method		Air cooling		
Dimensions		450*600*900mm		

Note: For specific models and parameters, please refer to the corresponding technical specifications.

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