

TK4710 DC Adjustable Resistance Load



TK4710-20kW



TK4710-30kW

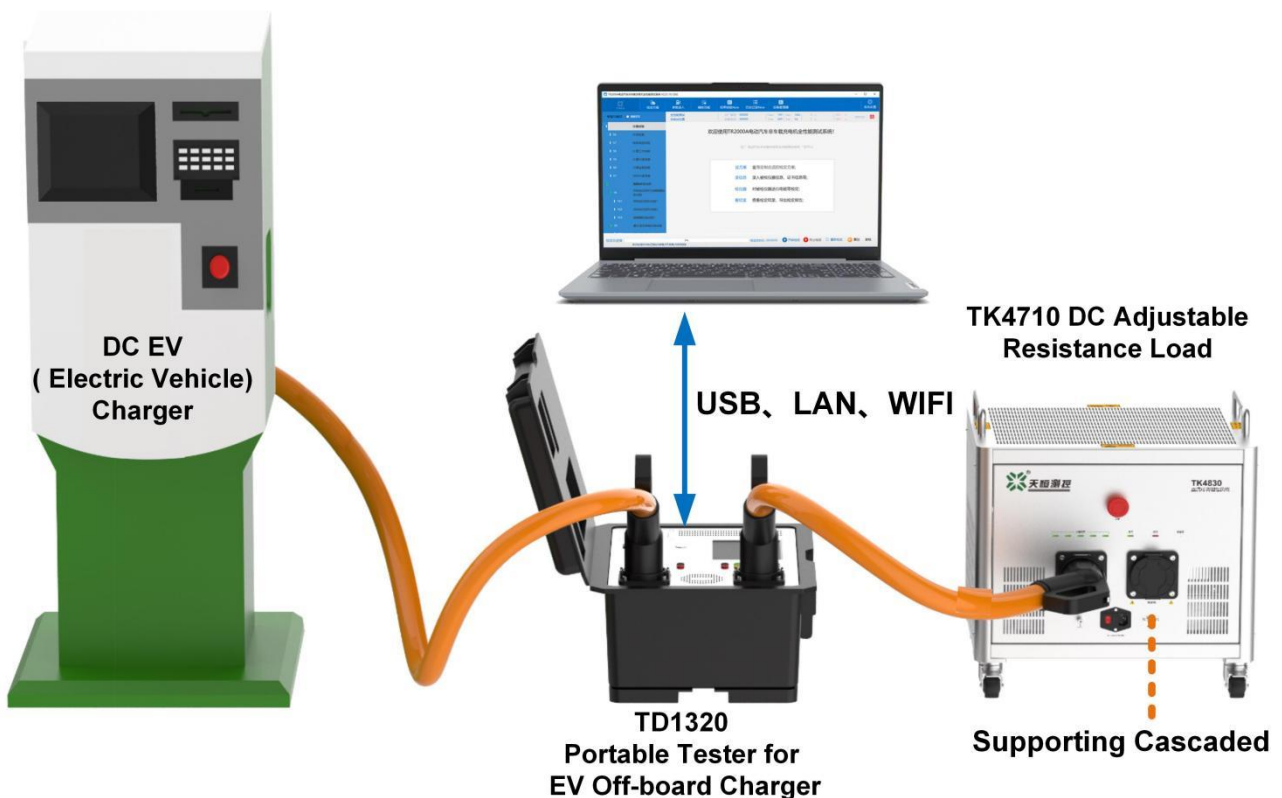


TK4710-60kW

1. Summary

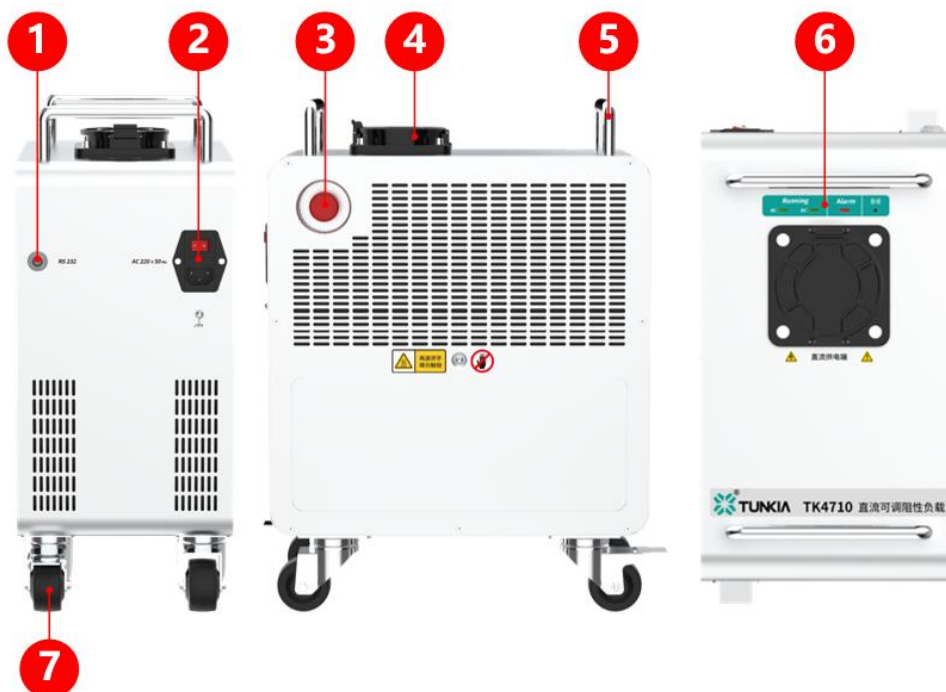
TK4710 is a DC adjustable resistive load box with optional rated power of 20kW, 30kW and 60kW. The panel is equipped with a standard DC charging socket and can be used with DC charger field testers to achieve on-site calibration of DC chargers for electric vehicles.

2. Application



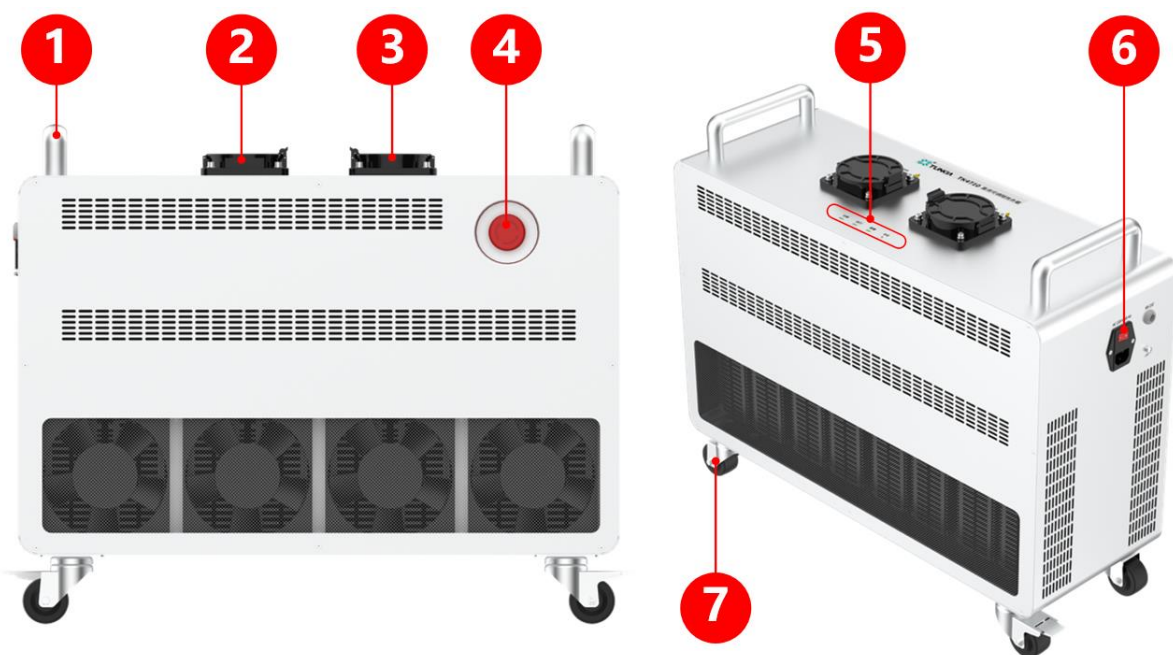
3. Instrument Appearance

☆ TK4710-20kW Panel



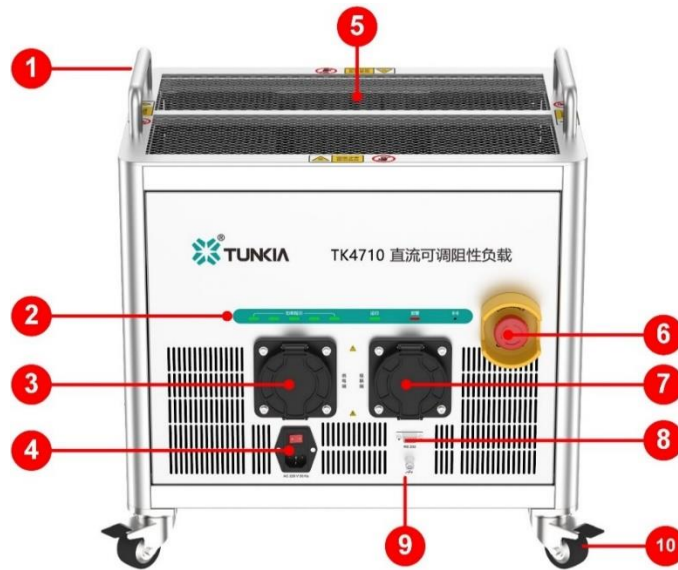
No.	Function
1	RS232 communication interface.
2	AC 220V power interface, the load can be powered by the mains.
3	Emergency stop button, which can quickly stop the load in an emergency.
4	Charging socket on the power supply side, use a dedicated charging connector to connect the charger tester.
5	Load handle for easy carrying.
6	Power indication (indicates the load operation status), operation, alarm, and communication signal indicator lights.
7	Universal rollers are installed at the four corners of the bottom to facilitate the movement and fixation of the load.

☆ TK4710-30kW Panel



No.	Function
1	The load handle is convenient for users to carry.
2	The charging socket at the power supply end uses a dedicated charging connector to connect the charger tester.
3	The charging socket at the cascade end uses a charging connector to connect another load to expand the power.
4	The emergency stop button can quickly stop the load operation in an emergency.
5	Power indication (indicating the load operation status), operation, alarm, and communication signal indicator lights.
6	AC 220V power interface, the load can be powered by the mains.
7	Rollers are installed at the four corners of the bottom to facilitate the movement and fixation of the load.

☆ TK4710-60kW-Front Panel



No.	Function
1	Load handle for easy carrying.
2	Power indicator (indicates load operation status), operation, alarm, and communication signal indicator lights.
3	Charging socket at the power supply end, using a dedicated charging connector to connect the charger tester.
4	AC 220V power interface, the load can be powered by the mains.
5	Top heat dissipation for rapid rise and discharge of hot air to improve heat dissipation efficiency.
6	Emergency stop button, which can quickly stop the load operation in an emergency.
7	Cascade end charging socket, using the charging connector to connect another load to expand the power.
8	RS232 communication interface.
9	Rollers are installed at the four corners of the bottom to facilitate the movement and fixation of the load.
10	Load grounding terminal.

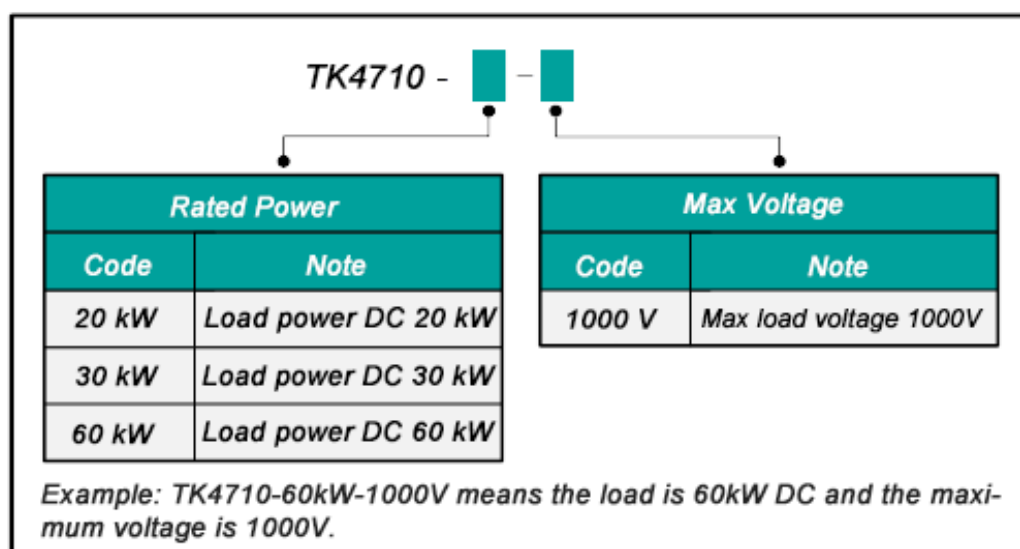
4. Specification

Model	TK4710-20kW-1000V	TK4710-30kW-1000V	TK4710-60kW-1000V
Rated Power	20 kW @1000V/500V	30 kW @1000V/500V	60 kW @1000V/750V/500V
Operation Ranges	Voltage 0 ~ 1000 V Current 0 ~ 40 A	Voltage 0 ~ 1000 V Current 0 ~ 60 A	Voltage 0 ~ 1000 V Current 0 ~ 120 A
Minimum Current Step	Current is continuously adjustable		
Heat Dissipation	Forced air cooling		
Protection	Overvoltage protection, short circuit protection, abnormal wind speed protection		
Alarm	Equipped with alarm indicator light and emergency stop switch		
Power Expansion	Does not support cascading	Support cascading	Multiple cascades are possible, such as two 60 kW units in parallel, with a total power of 120 kW
Dimension	490 mm (W) × 200 mm (D) × 493 mm (H)	650 mm (W) × 240 mm (D) × 520 mm (H)	610 mm (W) × 550 mm (D) × 590 mm (H)
Weight	Approx 23kg	Approx 35kg	Approx 66 kg






5. General Specification

Power Supply	Power supply from charging gun: AC (220 ± 22) V, (50 ± 2) Hz
Temperature Performance	Working temperature: -25°C~55°C; Storage temperature: -30°C~70°C
Humidity Performance	Operating humidity: < 80% @ 30°C, < 70% @ 40°C, < 40% @ 50°C Storage humidity: < 80% R·H, non-condensing
Altitude	< 3000 m
Communication Interface	RS232, CAN-BUS








6. Ordering Information










7. Accessory List

TK4710-20kW Accessory List					
No.	Pic	Name	Spec	Qty	Note
1		GB/T DC Charging Double- Head Cable	2m, 80A	1	Standard
2		Load Connection Line	Plastic 3-pin plug → Remo 8-pin plug/2m	1	Standard
3		Power Cable	AC 220V、10A	1	Standard
4		Test Leads (yellow and green)	2.5m/2.1mm ² /Φ4 Plug→Φ4 Plug	1	Standard
5		Glass Fuse 1A 250V	0218001.MXP	3	Standard
6		Packing Box	Paper	1	Standard

TK4710-30kW Accessory List

No.	Pic	Name	Spec	Qty	Note
1		GB/T DC Charging Double- Head Cable	2m, 80A	1	Standard
2		Load Connection Line	Plastic 3-pin plug → Remo 8-pin plug/2m	1	Standard
3		Power Cable	AC 220V, 10A	1	Standard
4		Test Leads (yellow and green)	2.5m/2.1mm ² /Φ4 Plug→Φ4 Plug	1	Standard
5		Glass Fuse	F8A, 250V	3	Standard
6		Packing Box	Paper	1	Standard
7		GB/T DC Charging Double- Head Cable	3m, 125A	1	Optional

Note: Optional accessories need to be purchased separately and specified in the order contract.

TK4710-60kW Accessory List					
No.	Pic	Name	Spec	Qty	Note
1		GB/T DC Charging Double- Head Cable	3m, 250A	1	Standard
2		Load Connection Line	Plastic 3-pin plug → Remo 8-pin plug/2m	1	Standard
3		Power Cable	AC 220V, 10A	1	Standard
4		Test Leads (yellow and green)	2.5m/2.1mm ² /Φ4 Plug→Φ4 Plug	1	Standard
5		Glass Fuse	F8A, 250V	3	Standard
6		Packing Box	Paper	1	Standard
7		GB/T DC Charging Double- Head Cable	3m, 125A	1	Optional

Note: Optional accessories need to be purchased separately and specified in the order contract.