

DC Electric Battery Operated Air Conditioner for Electric-Vehicles
Model: K20BS2 / T20B / T60B

Full DC Electric Air Conditioning System, Back Wall Mounted and Roof-Top mounted types. Cooling up to 9500Btu and 19800Btu.
DC12V, DC24V, DC48V, DC72V, DC80V are available.

Description

Fully DC electric Battery-operated air-conditioning system. NO ac power.

Brushless DC12V, DC24V, DC48V etc electric scroll compressor built-inside.

Run by EV original battery directly or auxiliary battery bank.

Main features

1. Heavy-duty design. And Long life -- 8 years
2. More cooling capacity. Cooling capacity up to 9500Btu and 19800Btu.
3. Cooling more air flow up to 400cbf and 550cbf. This higher air flow creates more comfort of driver and better cooling performance.
4. Battery safety protection. The air conditioner units will cut-off when the battery voltage down to 10.5V (if 12V a/c units) and 21.5V (if 24V a/c units) automatically.
5. The air vents can adjust and control the temperature and air speed without airduct.
6. Quiet / less noise ensures the driver feel comfort.
7. Available DC12V, DC24V, DC48V, DC72V, DC80V. suitable for most types electric vehicles.

Specification / Technical data

Model No.	K20BS2	T20B	T60B
Cooling Capacity	9500Btu 2.8kw	9500Btu 2.8kw	19800Btu 5.8kw
Voltage available	DC12V, DC24V	DC12V, DC24V	DC12V, DC24V
Compressor Type	DC Electric scroll compressor. Brushless motor	DC Electric scroll compressor. Brushless motor	DC Electric scroll compressor. Brushless motor
Working Current	48A (12V), 35A(24V)	48A (12V), 35A(24V)	85A (12V), 70A(24V)
Max. Current	72A(12V), 55A(24V)	72A(12V), 55A(24V)	155A (12V), 115A(24V)
Refrigerant Gas	R134A	R134A	R134A
Cooling air	400cbf / 720m3/h	400cbf / 720m3/h	550cbf / 900m3/h
Condenser fan	11' one pc	11' one pc	12' one pc

Size	Condenser: L:752mm, W: 676mm, H:182mm Evaporator: L:582mm, W: 310mm, H:138mm	L:856mm, W: 743mm, H:180mm	L:1263mm, W:1040mm, H:198mm
Weight	Condenser: 32KG(70.5LBS) Evaporator: 8.5KG(18.7LBS)	39Kg(86LBS)	55Kg(121LBS)
Air vent Qty	4pcs	5pcs	8pcs

Application:

