

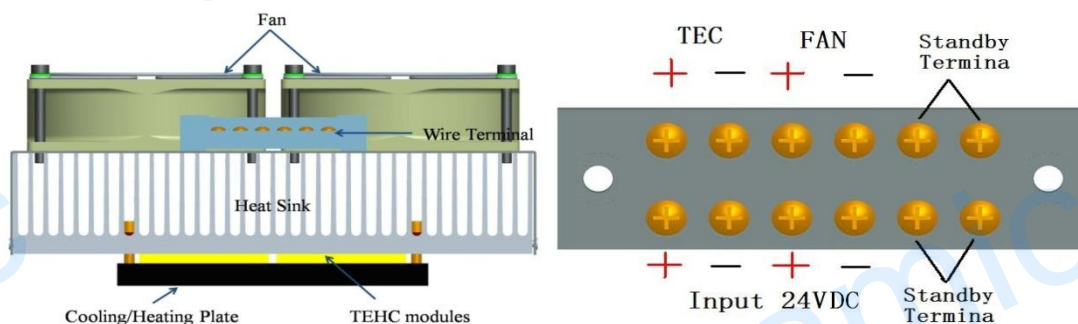
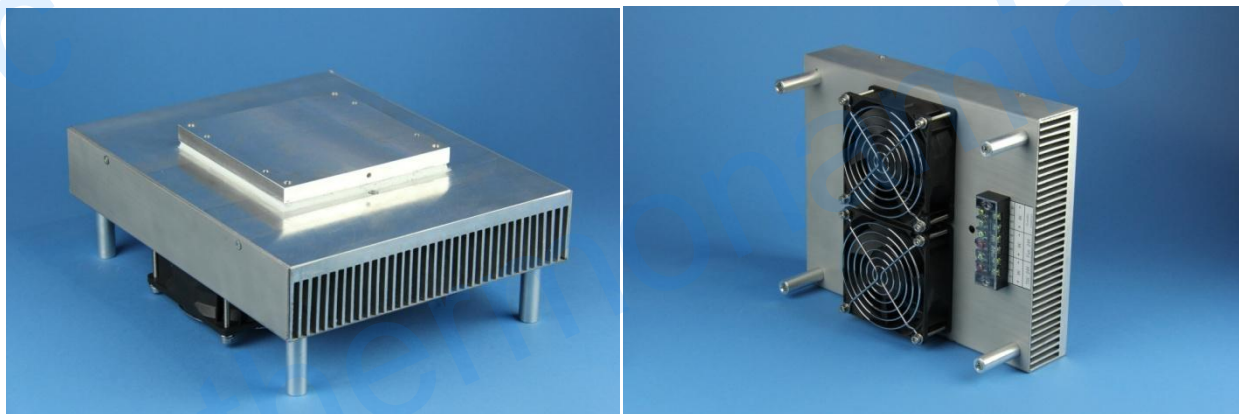
TECC-HH-400W-24V Thermoelectric Cooling/Heating Plate

Description

The system introduced here is Air to Cold plate type thermoelectric cooling/heating unit with 400 watts cooling power where we use heat sink with fans for heat dissipating of thermoelectric modules to cool or heat up the cold plate. The unit is designed for cooling or heating cold plate purpose. It can cool down the cold plate to $-20\text{ }^{\circ}\text{C}$ and also can be used to heat up to $120\text{ }^{\circ}\text{C}$ when the input polarity is revised at the $20\text{ }^{\circ}\text{C}$ ambience. Built up with our high performance TEHC series thermoelectric cooling modules, the unit demonstrates superior performance.

The 400 W thermoelectric cooling/heating unit runs on 24 VDC with 22 A current drawn. When the red wire is connected to positive and black to negative it is in cooling mode, and if the polarity is reversed, then in heating mode.

Structure of the System



Over-all Structure and Electrical Connection Diagram

Specification Sheet

Part Number		TECC-HH-400W-24V
Input Voltage / VDC		24
Input Current / A		≈ 22
Maximum Cooling Power / watts		400 under 20C ambience
Heat Sink Spec / mm		250 × 200 × 45
Cooling/heating plate / mm		120 × 120 × 10
Fan	Spec / mm / Quantity	92 × 92 × 32 / 2pcs
	Work Condition	24 VDC / 0.3 A
Over all Dimension (Length × Width × Height) / mm		250 × 200 × 100
Weight / Kg		3.82

Performance Curves

