

Outdoor Cabinet/Battery Heaters

Cabinet Heater | Battery Heater

Outdoor UPS cabinet / battery heater options

To prevent the negative effects of cold temperatures on the performance of power equipment, such as the UPS, in outdoor environment, TSi Power offers two product options. One is for heaters to raise the ambient temperature of the inside of the cabinet, while the other provides for heating the batteries.



Fig. 1 - Cabinet heater option showing heat sink and fan assembly.

Cabinet heaters

These heaters are available in power ratings of 150 W or 300 W for 120 V or 230 V versions and consist of a combination heater / heat sink and blower fan assembly that circulates the hot air in the cabinet. This eliminates condensation on critical components while preventing corrosion.



Fig. 2 - Battery heater option showing individual unit with circuit board and resistor network assembly.

Battery heaters

The battery heating pads are constructed from printed circuit boards with resistor networks that are encapsulated in epoxy. The AC current flows through the resistors to generate heat. By pressing against the walls of the batteries, the batteries are heated. They are available in 35 W and 70 W outputs at 120 V and 230 V. They are available in both individual units or two units attached together for larger batteries.

Heater Option
Cabinet Heater
BH1
BH2
BH3
BH4
Battery Heater
BH5
BH5 Double
BH6
BH6 Double



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Features and Benefits

- Both types of heaters are available in either 120 V or 230 V versions for utmost application flexibility.
- Cabinet heaters output 150 W or 300 W for maximum internal cabinet heating.
- Battery heaters with a choice 35 W or 70 W output provide for a long battery life.
- Efficient design and construction assures for longer service life.
- Easy wire termination makes field installation and replacement of heaters quick and easy.
- Condensation inside the cabinet is kept to a minimum by means of the cabinet heater.

Cabinet/Battery Heaters for Outdoor UPS

HEATER OPTION			
CABINET HEATER MODEL	WATTAGE	VOLTAGE	DESCRIPTION
BH1	300 W	120 V	Cabinet heater with fan
BH2	300 W	230 V	Cabinet heater with fan
BH3	150 W	120 V	Cabinet heater with fan
BH4	150 W	230 V	Cabinet heater with fan
BATTERY HEATER MODEL			
BH5	35 W	120 V	Epoxy encased battery heater (single unit)
BH5 Double	70 W	120 V	Epoxy encased battery heater (two units for larger batteries)
BH6	35 W	120 V	Epoxy encased battery heater (single unit)
BH6 Double	70 W	230 V	Epoxy encased battery heater (two units for larger batteries)

TSi Power's ongoing product improvement process makes specifications subject to change.



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