

Power

Battery Heater Pad

For Alpha Micro Secure 100



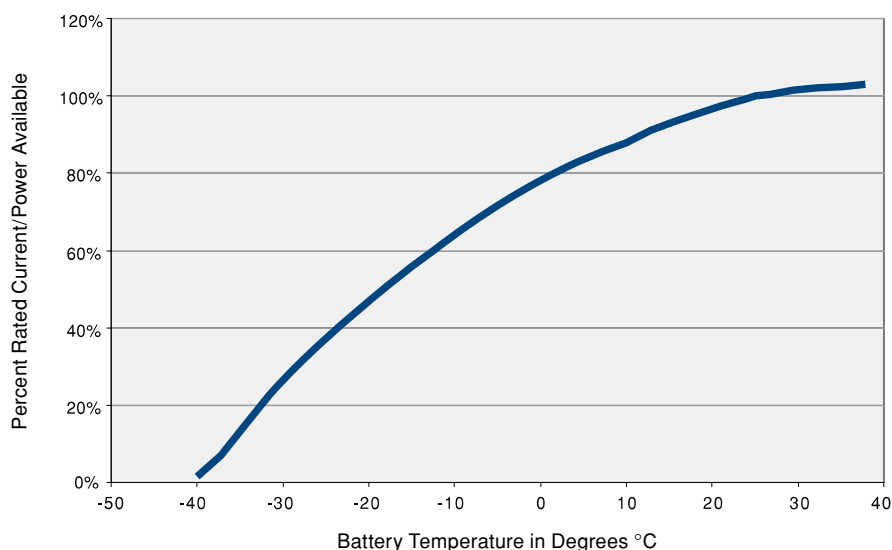
Battery Heater Pad

- › Vertical installation between batteries ensures maximum transfer of heat energy and minimal waste inside Micro Secure 100 UPS enclosure
- › Smart, cost-effective solution for optimizing battery performance and longevity in cold weather by preventing battery electrolyte from freezing
- › 80% increase in battery backup time by ensuring batteries remain charged when temperatures fall below 0°C/32°F
- › Insulated design directs heat to the batteries and not the enclosure, reducing power consumption by 30%
- › Durable polyester construction and insulated design for protection of heating elements in rugged environments
- › UL listed on-pad thermal switch and thermal fuse for redundant protection from shorts and overheating

Micro Secure 100 Battery Heater Pad is a performance-enhancing battery accessory specifically designed for Alpha's Micro Secure 100 product family. Designed with safety and efficiency in mind, the Micro Secure 100 battery heater pad keeps batteries warm enough to operate in harsh working environments while extending battery run time and increasing battery life. The heater pad is vertically installed between the batteries to ensure maximum transfer of heat energy inside the Micro Secure 100 enclosure.

Battery Heater Pad For Alpha Micro Secure 100

VRLA Battery Efficiency vs Temperature and Discharge Rate



Battery performance is set for a normal room ambient temperature of 25°C/77°F. In outdoor installations, as temperatures drop, the batteries lose the ability to perform the chemical reactions necessary to provide backup. For example, a battery string that provides 2 hours backup at room temperatures will only provide 1 hr 36 min (80%) backup at 0°C/32°F. As temperatures approach -40°C, the chemical reaction virtually ceases and no backup can be expected. The Micro Secure 100 is a low-wattage heating pad designed to keep the core battery temperature at a level that will maintain at least 70% capacity at -30°C. The heater pad maintains battery backup performance in areas where lower temperatures are common.

General Specifications

Line Cord Thermostat	
Turn on Temperature	5°C/41°F
Turn off Temperature	15°C/59°F
Pad Mounted Thermostat	
Over Temperature Off	50°C/122°F
Turn Back On	40°C/104°F
Thermal Fuse Rating	85°C/185°F

Mechanical

Model Name	BHM-MS24-120	BHM-MS24-230
Part Number	7400057-001	7400058-001
Voltage	120Vac	230Vac
Dimensions	mm	150L x 213W
	inches	5.9L x 8.4W
Wattage	30	30
Heating Density	0.70W/in ²	0.70W/in ²
Battery Type	12V 9Ah High Rate Long Life battery	12V 9Ah High Rate Long Life battery
Batteries per Pad	4 or 2	4 or 2
Enclosure	Micro Secure 100 120Vac	Micro Secure 100 230Vac

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