Characteristics

NOTE All characteristics are at 25 °C and at the beginning of battery life.

Output Voltage	19.2 volts
Capacity	105 watt hours
Service Life	500 Cycles to 80% Initial Capacity (at 25°C)

Typical Runtime

Runtime is typically between 60 minutes and 90 minutes depending upon options installed.

Chemistry	Nickel Cadmium
Charge Time	6 Hours[a]
Charging Temperature	10°C to 40°C[b]
Discharging Temperature	0°C to 55°C[b]
Storage Temperature	–30°C to 55°C[b]
Maximum Relative Humidity	80%[c]

a. Charge time may exceed 6 hours at temperatures above 25°C.
b. Refer to the following graphs for temperature impact on battery performance and service life.
c. For temperatures up to 31°C. Maximum relative humidity will decrease linearly to 50% at 40°C.

CAUTION Battery service life degrades rapidly at temperatures above 40°C. This effect can be minimized if it is held for only a short period of time at the high temperature, such as during discharge. Prolonged storage at only 40°C could reduce the service life to 45% of its room temperature life. The service life is reduced to 20% at 50°C.

Figure 3-1 **Battery Charge Capacity vs Temperature**

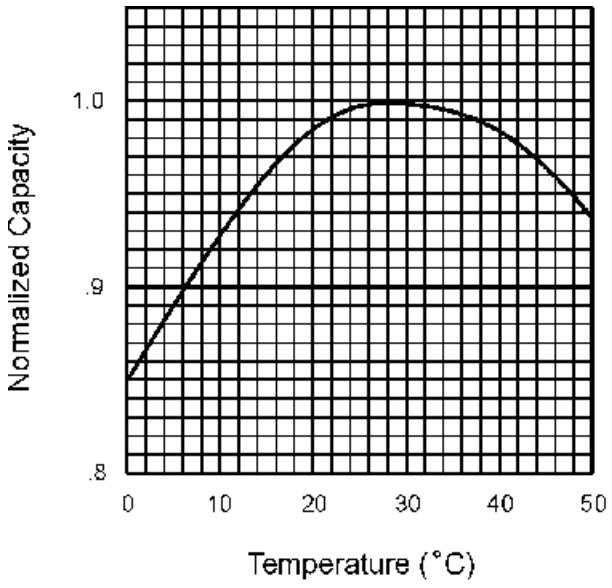


Figure 3-2 **Battery Cycle Life vs Temperature**

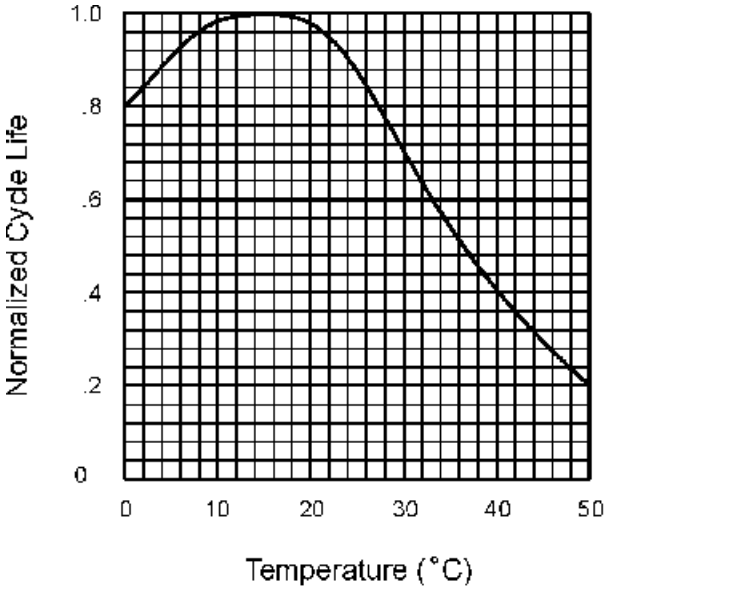
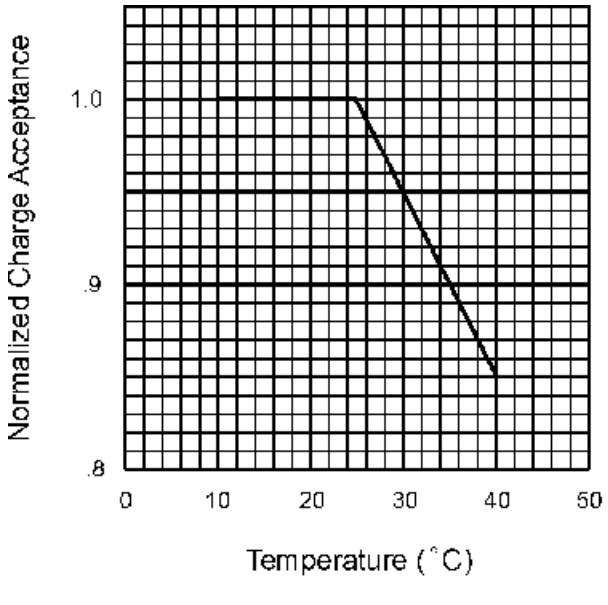


Figure 3-3 **Battery Charge Acceptance versus Temperature**



Physical Characteristics	
Weight	4.8-kg (10.6-lbs)
Height	217-mm (8.54-in)
Width	373-mm (14.69-in)
Depth	68-mm (2.68-in), 44-mm (1.73-in) added to instrument depth

Supply Requirements	
Nominal Input Voltage	100/115/230/240 Volts
Input Voltage Range	90-254 Volts
Nominal Input Frequency	50/60 Hz
Input Frequency Range	47-66 Hz
Input Power	60 Watts Maximum
Output Voltage	24 Vdc

Environmental Conditions
Portable Altitude up to 4,572 meters (15,000 feet) This product, when being recharged with the approved ac to dc supply, is designed for use in INSTALLATION CATEGORY II and POLLUTION DEGREE 2, per IEC 1010 and 664 respectively.