

# SEALED NICKEL METAL HYDRIDE BATTERIES

## BK-300SCEY1 Specification

### 1. Application Range

This specification applies to the Sealed Nickel Metal Hydride Rechargeable Batteries for

PAISEU

### 2. Rating specification

o Model	<b>BK300SCE</b>
o IEC designation	<b>HR23/43</b> (Cell)
o Nominal Voltage	<b>1.2</b> V
o Rating (minimum)Capacity	<b>2800</b> m A h
o Average Capacity (for reference only)	<b>3050</b> m A h
o Standard Charge Rate	<b>280</b> m A × 1 6 hours
o Rapid Charge Rate	<b>3000</b> m A (with the following charge conditions)

#### (charge condition)

Value of dT/dt(for reference only)	<b>1 ~ 2</b> °C/m i n
Value of -ΔV per cell	<b>5 ~ 10</b> m V (Cell)
Value of Tco	<b>60</b> °C
Trickle current with timer	<b>93 ~ 140</b> m A (with timer)

All rapid charge systems should be discussed with our engineer.

o Standard Discharging	<b>560</b> m A
o Discharge Cut-off Voltage	<b>1.0</b> V

(When you use single battery by series, refer to "Cautions of the design of battery-operated products 5-4".)

o Maximum Continuous Discharge Current	<b>30000</b> m A (20°C, single cell)
o Operating Temperature Range(Ta)	(Humidity : +65 %±20 %)
Standard charge	0°C ≦ Ta ≦ +45 °C (32 ≦ Ta ≦ 113 ° F)
Rapid charge	0°C ≦ Ta ≦ +40 °C (32 ≦ Ta ≦ 104 ° F)
Discharge	-10°C ≦ Ta ≦ +65 °C (14 ≦ Ta ≦ 149 ° F)
o Storage Temperature Range(Ta)	(Humidity : +65 %±20 %)
within 1 year	-20°C ≦ Ta < +35°C (-4 ≦ Ta < 95 ° F)
within 6 months	-20°C ≦ Ta < +45 °C (-4 ≦ Ta < 113 ° F)
within 1 month	-20°C ≦ Ta < +55 °C (-4 ≦ Ta < 131 ° F)
within 1 week	-20°C ≦ Ta ≦ +65 °C (-4 ≦ Ta ≦ 149 ° F)

Rated capacity figures are based on single cell performance.

We recommend cells or batteries are charged at least once every year (if possible every 6 months).

In use or storage, avoid condensation.

Discuss about a condition of above outside separately.