

VALVE-REGULATED LEAD ACID BATTERIES: INDIVIDUAL DATA SHEET

UP-RW1245P1



Photo/Label for reference only.

UP-RW: For standby power supplies. Expected trickle life: 3-5 years at 25°C, Approx. 5 years at 20°C.
 UP-PW: For standby power supplies. Expected trickle life: Approx. 6 years at 25°C, Approx. 10 years at 20°C.

Specifications

| | | |
|--|---------------------|-------------------------|
| Nominal Voltage | | 12V |
| Nominal Capacity (watts/cell at 10 minute rate) | | 45W/2V |
| Dimensions | Length | 5.945 inches (151.0 mm) |
| | Width | 2.540 inches (64.5 mm) |
| | Height | 3.702 inches (94.0 mm) |
| | Total Height | 3.997 inches (101.5 mm) |
| Approx. mass | | 5.738 lbs. (2.6 kg) |
| Standard Terminals and Resin | UL94HB Faston 250 | UP-RW1245P1 |
| Optional Terminals and Resin | UL94V-0 Faston 250 | ◆ UP-PW1245P1 |

◆ Please contact Panasonic for availability on optional items. Optional items may be subject to minimum order quantities.

Characteristics

| | | | |
|---|--|-----------------|------------------------------------|
| Capacity (note) 77°F (25°C) (9.6V Cutoff) | 30 minute rate | 112W | |
| | 15 minute rate | 195W | |
| | 10 minute rate | 268W | |
| | 5 minute rate | 410W | |
| Internal resistance | Fully charged battery 77°F (25°C) | Approx. 21mΩ | |
| Temperature dependency of capacity (20 hour rate) | 104°F (40°C) | 102% | |
| | 77°F (25°C) | 100% | |
| | 32°F (0°C) | 85% | |
| Self discharge 77°F (25°C) | Residual capacity after standing 3 months | 91% | |
| | Residual capacity after standing 6 months | 82% | |
| | Residual capacity after standing 12 months | 64% | |
| Charge Method (Constant Voltage) | Trickle use | Initial current | 1.35 A or smaller |
| | | Control voltage | 13.6V to 13.8V (per 12V cell 25°C) |

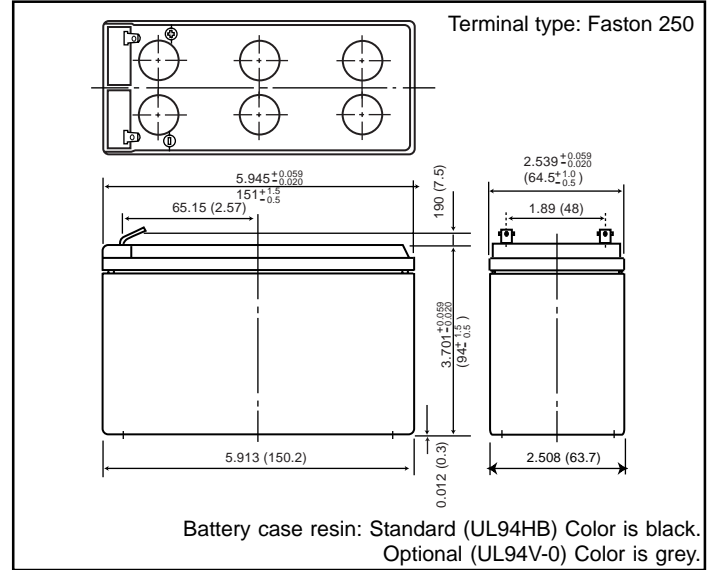
| Cutoff | Discharge Runtime at 25°C | | | | | | |
|--------|---------------------------|--------|--------|---------|---------|---------|---------|
| | 3 min. | 5 min. | 7 min. | 10 min. | 15 min. | 20 min. | 30 min. |
| 9.6V | 530 | 410 | 330 | 268 | 195 | 159 | 112 |
| 10.2V | 490 | 390 | 315 | 258 | 193 | 156 | 111 |
| 10.8V | 434 | 330 | 274 | 234 | 180 | 146 | 109 |

(Note) The above characteristics data are average values obtained within three charge/discharge. Cycles not the minimum values.

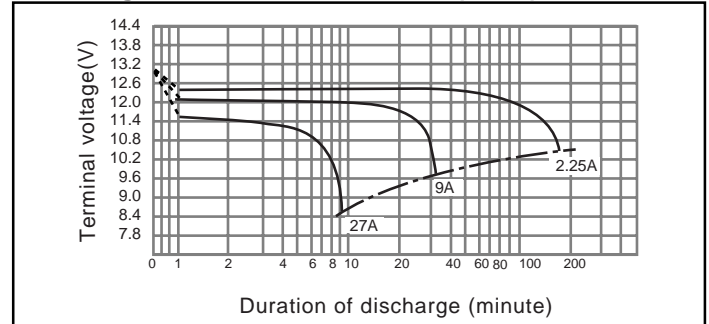
(Note) This battery is designed for high rate discharge and we do not specify 20 hour rate discharge capacity.

(Note) When specific conditions are satisfied, this battery can be used for main power supplies. Please consult Panasonic.

Dimensions (mm)



Discharge characteristics 77°F (25°C) (Note)



Duration of discharge vs. Discharge current (Note)

