UP-RW1220P1

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

Photo/Label for reference only.

Specifications

Nominal voltage		12V
Nominal capacity (watts/cell at 10 minute rate)		20W/2V
Dimensions	Length	5.512 inches (140.0 mm)
	Width	1.516 inches (38.5 mm)
	Height	3.701 inches (94.0 mm)
	Total Height	3.997 inches (101.5 mm)
Approx. mass		2.98 lbs (1.35 kg)
Standard Terminals and Resin	UL94HB Faston 250	UP-RW1220P1
	UL94V-0 Faston 250	UP-VW1220P1
Optional Terminals and Resin	UL94HB Faston 187	♦ UP-RW1220P
	UL94V-0 Faston 187	♦ UP-VW1220P

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

Characteristics

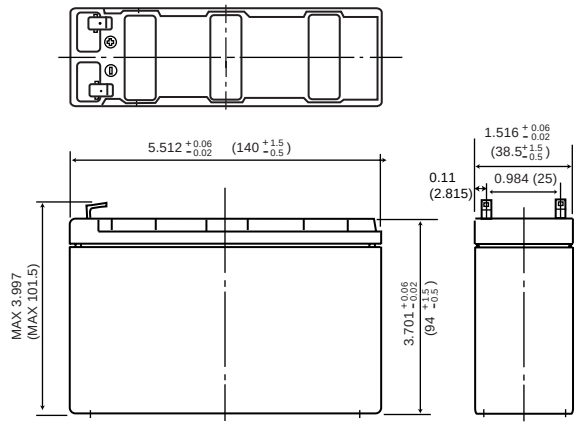
Capacity (note) 77°F (25°C) (9.6V Cutoff)	30 minute rate 15 minute rate 10 minute rate 5 minute rate	60W 95W 120W 190W
Internal resistance	Fully charged battery 77°F (25°C)	Approx. 35mΩ
Temperature dependency of capacity (20 hour rate)	104°F (40°C) 77°F (25°C) 32°F (0°C) 5°F (-15°C)	102% 100% 85% 65%
Self discharge 77°F (25°C)	Residual capacity after standing 3 months Residual capacity after standing 6 months Residual capacity after standing 12 months	91% 82% 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 (per cell)	Discharge Runtime at 25°C						
	3 min	5 min	7 min	10 min	15 min	20 min	30 min
1.6V	245	190	150	120	95	80	60
1.7V	217	167	135	113	87	74	52
1.8V	177	137	115	102	82	66	47

(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 condidtions are satisfied, this battery can be used for main power supplies. Please consult Panasonic.

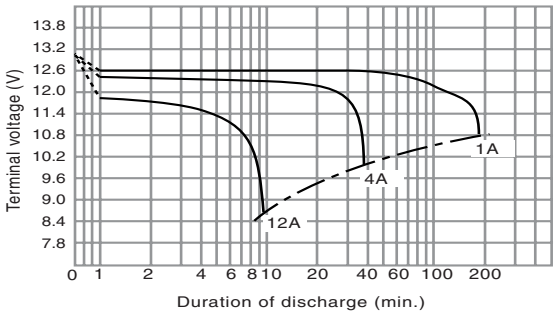
Dimensions (mm)

Terminal type: Faston 187 or Faston 250



Battery case resin: Standard (UL94HB) Color is black.
Optional (UL94V-0) Color is grey.

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



Duration of discharge vs. Discharge current (Note)