

VALVE-REGULATED LEAD ACID BATTERIES: INDIVIDUAL DATA SHEET

UP-RW1220P1



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	60W					
	15 minute rate	95W					
	10 minute rate	120W					
	5 minute rate	190W					
Internal resistance	Fully charged battery 77°F (25°C)	Approx. 35mΩ					
Temperature dependency of capacity (20 hour rate)	104°F (40°C)	102%					
	77°F (25°C)	100%					
	32°F (0°C)	85%					
	5°F (-15°C)	65%					
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 (per cell)	Discharge Runtime at 25°C						
		3 min	5 min	7 min	10 min	15 min	20 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. Cycles not the minimum values.

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

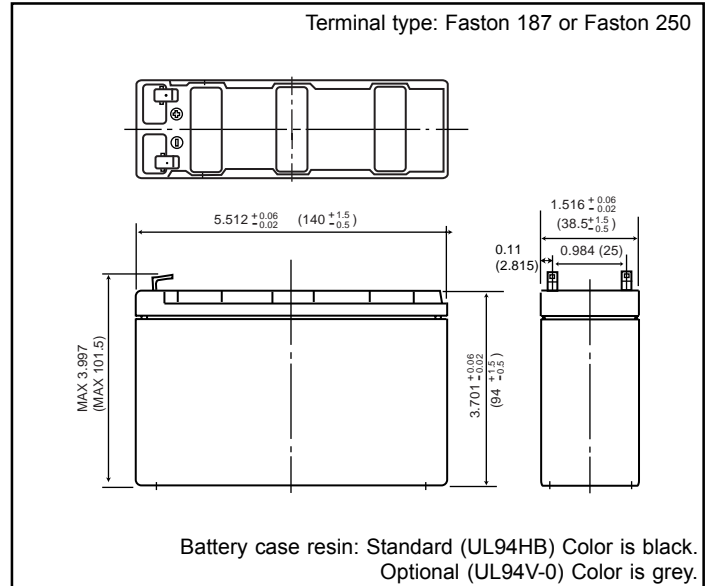
(Note) When specific conditions are satisfied, this battery can be used for main power supplies.

Please consult Panasonic.

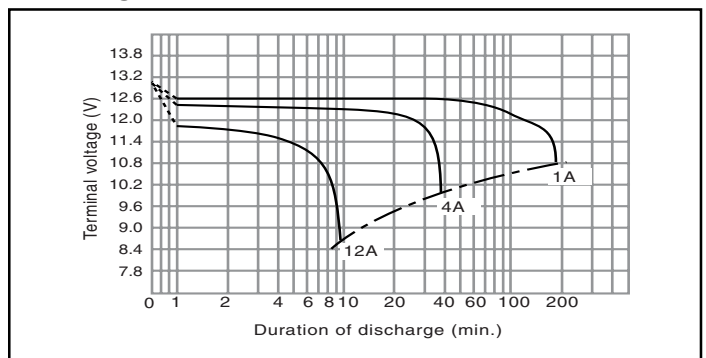
For standby power supplies.

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

Dimensions (mm)



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



Duration of discharge vs. Discharge current (Note)

