

VALVE-REGULATED LEAD ACID BATTERIES: INDIVIDUAL DATA SHEET

UP-RW1245P1



Photo/Label for reference only.

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

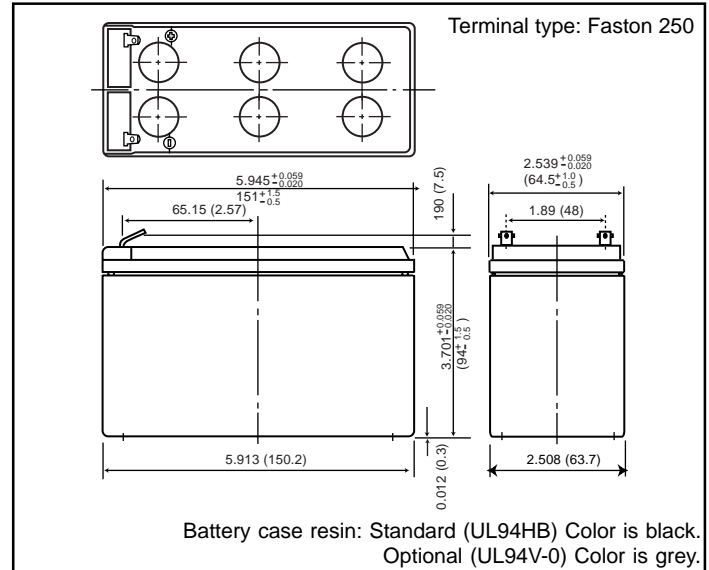
(Note) The above characteristics data are average values obtained within three charge/discharge. Cycles not the minimum values.

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

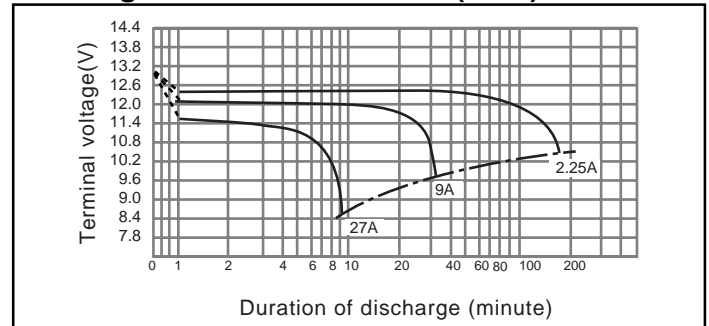
(Note) When specific conditions are satisfied, this battery can be used for main power supplies. Please consult Panasonic.

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.

Dimensions (mm)



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



Duration of discharge vs. Discharge current (Note)

