



1720 Hayden Drive
 Carrollton, TX 75006
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 www.upgi.com

maintenance-free

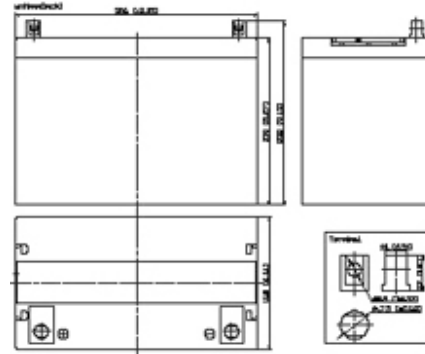
sealed lead-acid battery

model #UB27/GEL

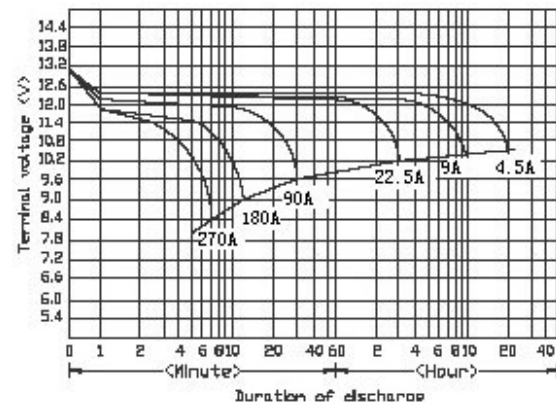
upg #D5873



Dimensions Terminal type: Z1



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



Specifications

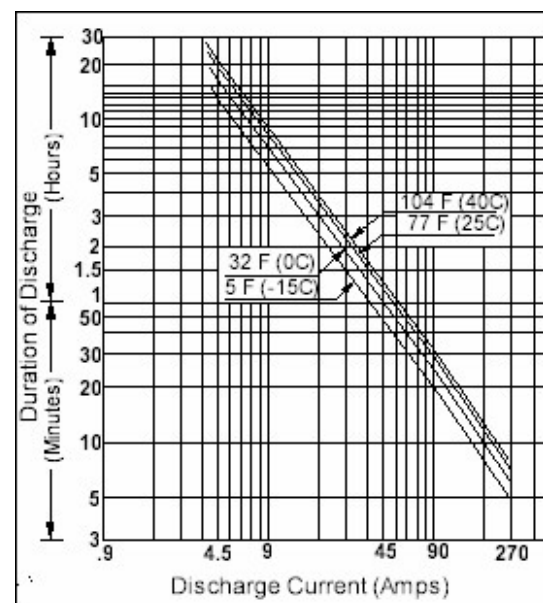
Nominal voltage		12V
Rated capacity (20 hour rate)		90.0Ah
Dimensions	Length	12.05in (306.1 mm)
	Width	6.61in (167.9 mm)
	Height	8.27in (210.1 mm)
	Total Height	9.13in (231.9 mm)
Approx. weight		59.52lbs (27.0 kg)

Characteristics

Capacity(Note) 77° F (25° C)	20 hour rate(4.50A)	90.0Ah	
	10 hour rate(8.37A)	83.7Ah	
	5 hour rate(15.30A)	76.5Ah	
	1 hour rate(54.00A)	54.0Ah	
Internal resistance (milliohms)	Fully charged battery 77° F (25°C)	Approx. 10	
Temperature dependency of capacity (20 hour rate)	104° F	102%	
	77° F	100%	
	32° F	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)	Cycle use (Repeating use)	Initial current	18.0 A or smaller
		Control voltage	14.0-14.4 V
	Float use	Control voltage	13.0-13.4 V

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

Duration of discharge vs. Discharge current (Note)





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Constant Power Discharge Watts Per Cell (25° C)

Constant Power Discharge Watts Per Cell (25°C)

End Point Volt /cell	Operation Time To End Point Voltage								
	5min	10min	15min	20min	30min	40min	50min	60min	90min
1.75	477	352	282	237	182	151	128	111	80
1.70	520	370	293	244	185	153	130	112	81
1.65	543	388	305	250	190	156	132	114	82
1.60	563	395	310	254	193	157	133	115	83

Constant Current Discharge Rating Amperes (25° C)

End Point Volt /cell	Operation Time To End Point Voltage													
	5min	10min	30min	60min	2hr	3hr	4hr	5hr	6hr	7hr	8hr	10hr	20hr	24hr
1.90	149	104	70.3	41.2	26.6	19.3	15.4	13.0	11.1	9.7	8.7	7.3	4.0	3.3
1.85	190	125	82.0	47.8	29.3	21.3	16.8	14.2	12.0	10.6	9.4	7.8	4.2	3.5
1.80	228	138	89.7	51.2	30.9	22.7	17.9	15.0	12.7	11.2	9.9	8.2	4.4	3.7
1.75	259	150	95.0	54.0	32.0	23.3	18.4	15.4	13.1	11.5	10.2	8.3	4.5	3.7