



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

maintenance-free

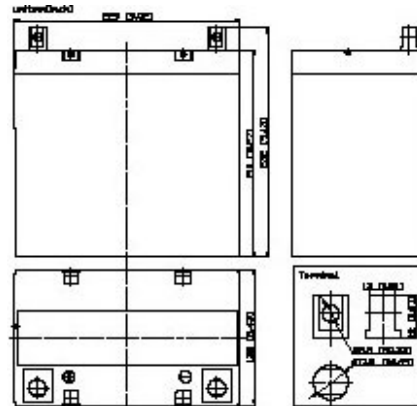
sealed lead-acid battery

model #UB22NF/GEL

upg #D5871



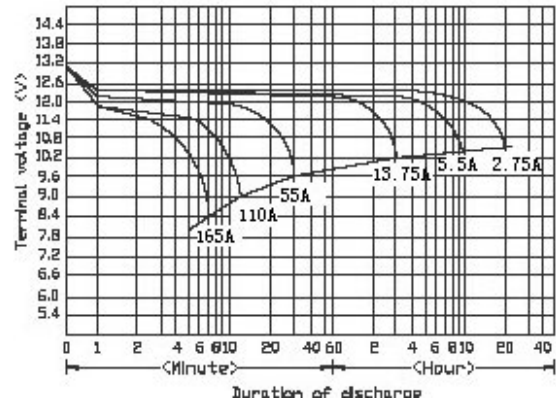
Dimensions Terminal type: Z1



Specifications

Nominal voltage		12V
Rated capacity (20 hour rate)		55.00Ah
Dimensions	Length	9.02in (229.1 mm)
	Width	5.43in (137.9 mm)
	Height	8.27in (210.1 mm)
	Total Height	9.13in (231.9 mm)
Approx. weight		38.58lbs (17.5 kg)

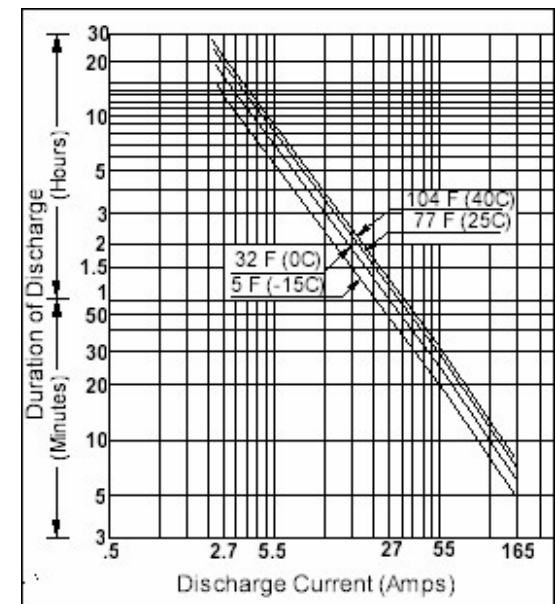
Discharge characteristics 77° F (25° C) (Note)



Characteristics

Capacity(Note) 77° F (25° C)	20 hour rate(2.75A)	55.00Ah	
	10 hour rate(5.12A)	51.15Ah	
	5 hour rate(9.35A)	46.75Ah	
	1 hour rate(33.00A)	33.00Ah	
Internal resistance (milliohms)	Fully charged battery 77° F (25°C)	Approx. 11	
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	11.00 A or smaller
		Control voltage	14.0-14.4 V
	Float use	Control voltage	13.0-13.4 V

Duration of discharge vs. Discharge current (Note)



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



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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	280	206	167	143	110	89	75	66.0	46.2
1.70	297	220	176	146	112	92	77	66.6	46.8
1.65	313	233	184	152	115	94	79	68.2	48.4
1.60	324	239	189	156	116	95	80	68.8	49.0

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	85	60	41.3	25.2	15.9	11.6	9.2	8.1	6.6	5.8	5.2	4.6	2.4	2.0
1.85	111	74	50.6	29.5	17.3	12.5	9.9	8.6	7.1	6.2	5.6	4.8	2.5	2.0
1.80	132	83	54.5	31.7	17.5	13.3	10.5	9.1	7.5	6.5	5.9	5.0	2.6	2.3
1.75	150	89	57.8	33.0	18.7	13.8	10.8	9.4	7.7	6.8	6.1	5.1	2.8	2.3