



1720 Hayden Drive  
 Carrollton, TX 75006  
 P: 469.892.1122  
 F: 469.892.1123  
 www.upgi.com

maintenance-free

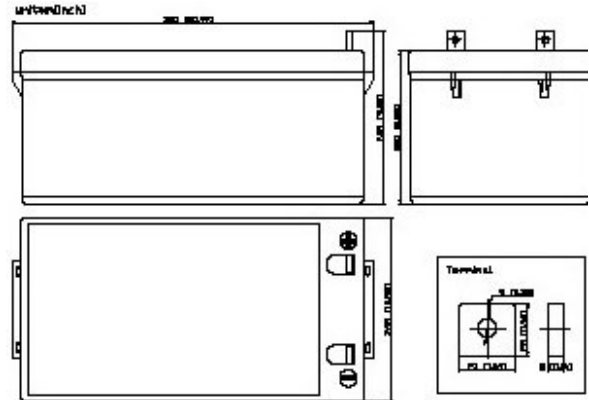
# sealed lead-acid battery

model #UB8D/GEL

upg #40702



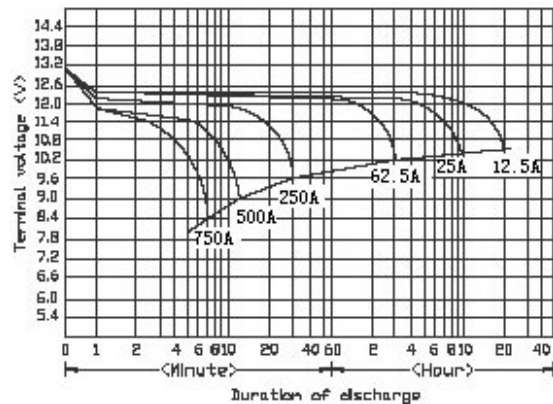
**Dimensions** Terminal type: L4



## Specifications

Nominal voltage		12V
Rated capacity (20 hour rate)		250.0Ah
Dimensions	Length	20.47in ( 519.9 mm)
	Width	10.55in ( 268.0 mm)
	Height	8.66in ( 220.0 mm)
	Total Height	9.65in ( 245.1 mm)
Approx. weight		160.94lbs ( 73.0 kg)

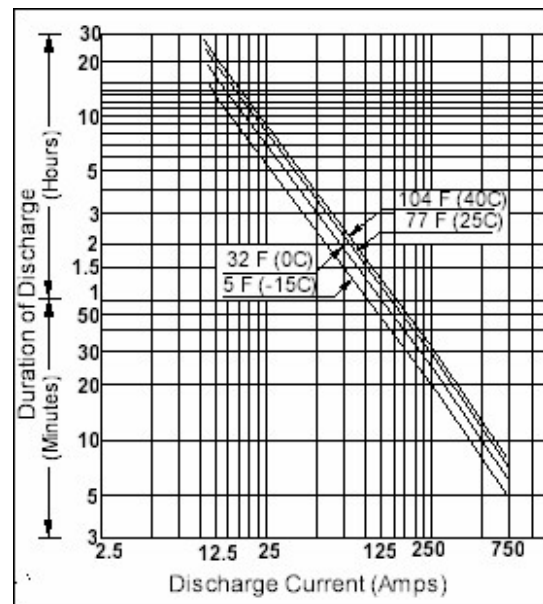
**Discharge characteristics 77° F (25° C) (Note)**



## Characteristics

Capacity <sup>(Note)</sup> 77° F (25° C)	20 hour rate( 12.50A)	250.0Ah	
	10 hour rate( 23.25A)	232.5Ah	
	5 hour rate( 42.50A)	212.5Ah	
	1 hour rate( 150.00A)	150.0Ah	
Internal resistance (milliohms)	Fully charged battery 77° F (25°C)	Approx. 5 mOHMS	
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	50 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.



1720 Hayden Drive  
 Carrollton, TX 75006  
 P: 469.892.1122  
 F: 469.892.1123  
 www.upgi.com

maintenance-free

# sealed lead-acid battery

model #UB8D/GEL

upg #40702

## 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	1275	937	762	650	500	407	345	300	210
1.70	1350	1000	800	667	512	420	352	302	212
1.65	1425	1060	837	692	522	427	360	310	220
1.60	1475	1087	862	712	530	432	432	312	222

## 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	390	275	187	114	72	52	42	36	30	26	23	21	10.8	9.0
1.85	507	340	230	134	78	57	45	39	32	28	25	22.0	11.5	9.8
1.80	600	377	247	144	80	60	47	41	34	29	26	22.5	12.0	10.3
1.75	685	405	262	150	85	62	49	42	35	30	27	23.3	12.5	10.3