



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

maintenance-free

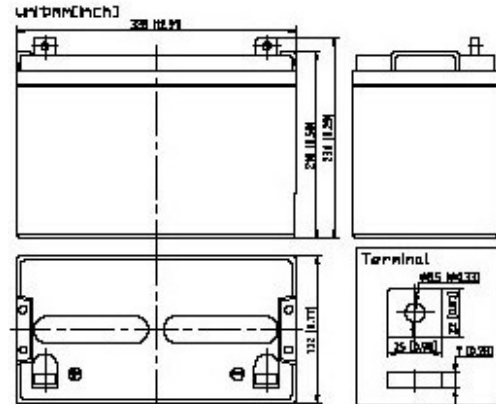
sealed lead-acid battery

model #UB-30H Gel

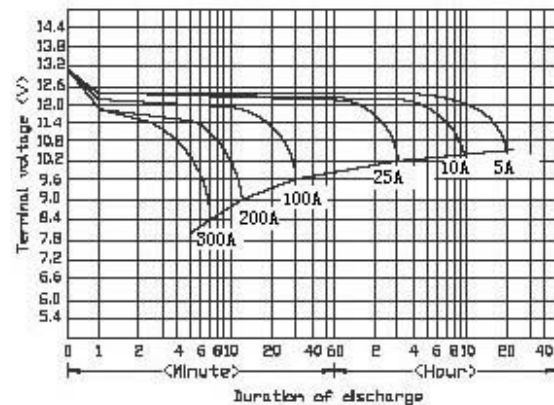
upg #D5874



Dimensions Terminal type: F2 (Flag)



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



Specifications

Nominal voltage		12V
Rated capacity (20 hour rate)		100Ah
Dimensions	Length	12.91in (327.9 mm)
	Width	6.77in (172.0 mm)
	Height	8.58in (217.9 mm)
	Total Height	9.29in (236.0 mm)
Approx. weight		67.24lbs (30.5 kg)

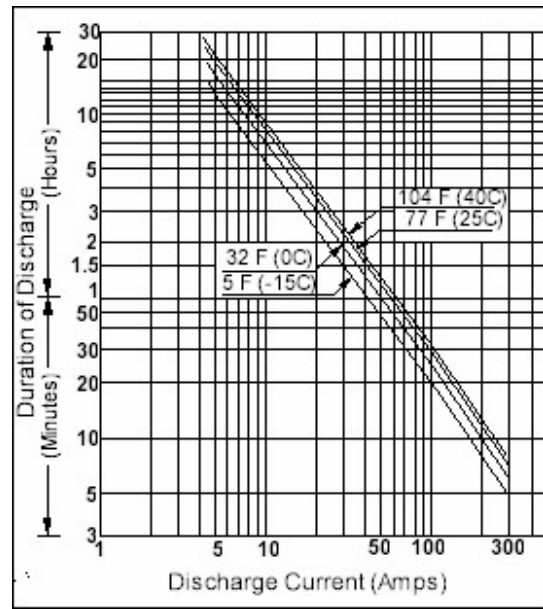
Characteristics

Capacity(Note) 77° F (25° C)	20 hour rate(5.00A)	100Ah
	10 hour rate(9.30A)	93Ah
	5 hour rate(17.00A)	85Ah
	1 hour rate(60.00A)	60Ah
Internal resistance (millionms)	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%
	5° F	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	Cycle use	Initial current Max. 20A

Duration of discharge vs. Discharge current (Note)

Method (Constant Voltage)	(Repeating use)	Control voltage	14.0V - 14.4V
	Float use	Control voltage	13.0V - 13.4V

(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 #UB-30H Gel

upg #D5874

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	510	375	305	260	200	163	138	120	84
1.70	540	400	320	267	205	168	141	121	85
1.65	570	424	335	277	209	171	144	124	88
1.60	590	435	345	285	212	173	146	125	89

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	156	110	75.0	45.9	28.9	21.0	16.8	14.7	12.0	10.6	9.5	8.4	4.3	3.6
1.85	203	136	92.0	53.7	31.4	22.8	18.0	15.7	12.9	11.3	10.1	8.8	4.6	3.9
1.80	240	151	99.0	57.7	32.0	24.2	19.0	16.6	13.6	11.9	10.7	9.0	4.8	4.1
1.75	274	162	105	60.0	34.0	25.0	19.6	17.0	14.0	12.3	11.0	9.3	5.0	4.1