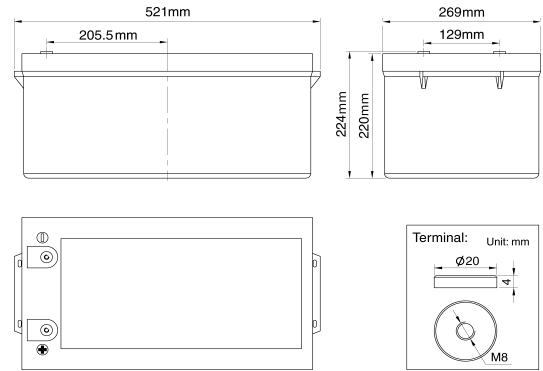


HL240-12



Specifications

Nominal Voltage		12V
Rated Capacity(20 hour rate)		240AH
Dimension	Total Height (with terminals)	224mm(8.82inches)
	Height	220mm(8.66inches)
	Length	521mm(20.51inches)
	Width	269mm(10.59inches)
Weight		Approx.89.0kg(196.21lbs)

Characteristics

Capacity 77°F(25°C)	20 hour rate(12A)	240AH
	10 hour rate(22.3A)	223.2AH
	5 hour rate(41A)	205AH
	1 hour rate(144A)	144AH
Internal Resistance	Full charged Battery 77°F(25°C)	2mΩ
Capacity affected by Temperature (20 hour rate)	104°F(40°C)	102%
	77°F(25°C)	100%
	32°F(0°C)	85%
	5°F(-15°C)	65%
Self-Discharge 77°F(25°C)	Capacity after 3 month storage	88%
	Capacity after 6 month storage	76%
	Capacity after 12 month storage	53%
Max. Discharge Current 77°F(25°C)		3600A(5S)
Terminal	Standard	F17
	Optional	F10
Charging (Constant Voltage)	Cycle	Initial Charging Current 48A Or Small 14.5V~14.9V/77°F(25°C)
	Float	13.6V~13.8V/77°F(25°C)

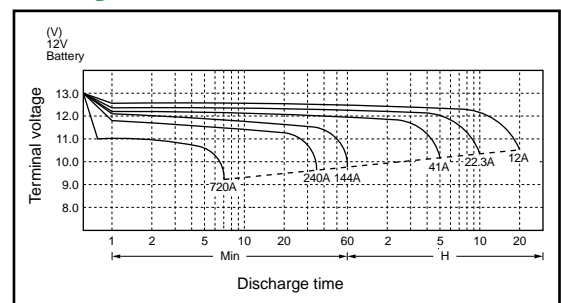
Constant Power Discharge Watts Per Cell @ 77°F(25°C)

End Point Volt/cell	Operation Time To End Point Voltage								
	5min	10min	15min	20min	30min	40min	50min	60min	90min
1.75	972	802	683	596	473	383	330	291	187
1.70	1030	848	712	622	485	398	336	292	190
1.67	1090	882	736	625	491	399	342	295	195
1.65	1102	894	750	634	496	401	346	299	199
1.60	1164	932	772	656	503	407	348	301	201

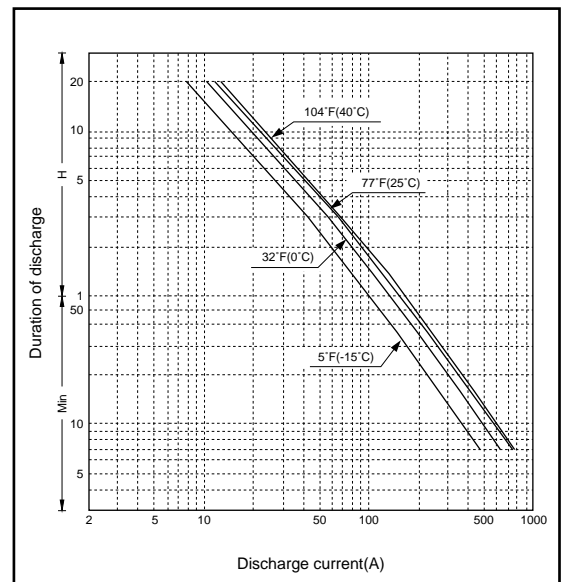
Constant Current Discharge Rating Amperes @ 77°F(25°C)

End Point Volt/cell	Operation Time To End Point Voltage													
	5min	10min	30min	60min	2hr	3hr	4hr	5hr	6hr	7hr	8hr	10hr	20hr	24hr
1.75	526	372	250	144	83.4	60.0	47.0	41.0	35.8	31.3	28.3	22.3	12.0	10.1
1.80	489	343	235	140	81.6	58.0	45.6	39.8	34.7	30.3	26.9	21.5	11.8	9.86
1.85	384	293	207	129	75.3	54.6	43.2	37.8	33.0	28.9	25.7	20.6	11.2	9.41
1.90	288	246	179	110	69.2	50.4	40.2	35.2	30.7	26.9	24.0	19.3	10.4	8.77

Discharge characteristics 77°F(25°C)



Duration of discharge vs. Discharge current



Note The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values.