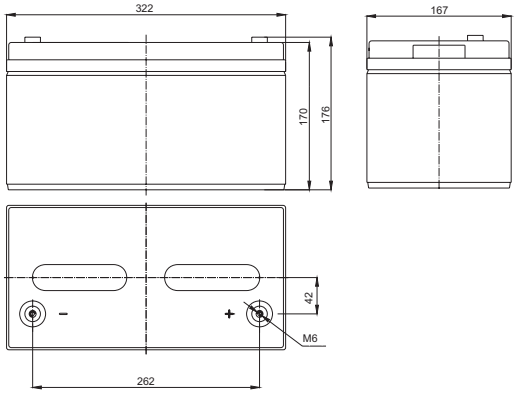
COSLIGHT 光宇集团 COSLIGHT GROUP

Data sheet for 6-GFM-65 battery



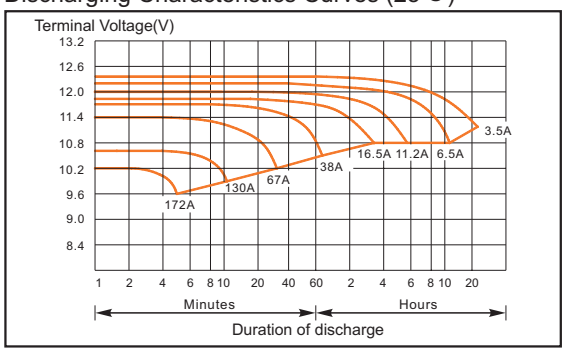
Specifications

Nominal Voltage		12V
Rated Capacity(10 hour rate)		65Ah
Total Height(with terminals)		176mm (6.93 inches)
Dimension	Height	170mm (6.69 inches)
	Lenght	167mm (6.57 inches)
	Width	322mm (12.68 inches)
Weight		Approx.21.5Kg (47.4lbs)

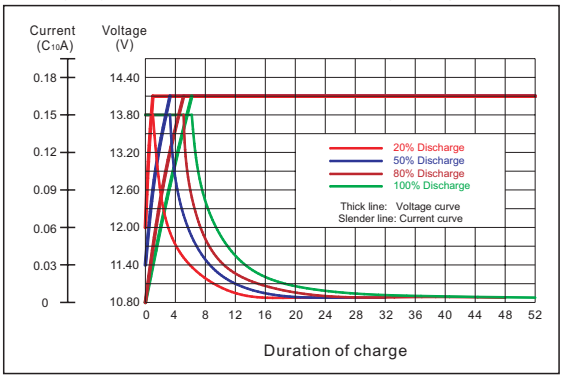
Characteristics

Capacity (25℃)	20Hr	71Ah
	10Hr	65Ah
	5Hr	56Ah
	1Hr	38Ah
Internal Resistance(Full charged)		7.4 mΩ (25℃)
Capacity affected by temperature	40℃	109%
	25℃	100%
	0 ℃	88%
	-15℃	76%
Self-Discharge (25℃)	Capacity after 3 month storage	92%
Charging(25℃)	Cycle	14.10V,9.8A or small
	Float	13.50V,9.8A or small
Temperature compensation coefficient		-0.018V / ℃

Discharging Characteristics Curves (25℃)



Charging Characteristics Curves(25℃)



Constant current discharge (Ampere @25℃)

Final Voltage (V/cell)	Minute							Hour							
	5	10	15	20	30	40	50	1	2	3	4	5	6	8	10
1.85	117	98	85	75	60	47	40	34.4	21.5	16.2	12.9	11.1	9.6	7.6	6.4
1.80	130	107	92	81	63	49	42	36.2	22.2	16.5	13.1	11.2	9.7	7.7	6.5
1.75	143	116	98	85	65	51	44	37.7	22.6	16.7	13.3	11.3	9.8	7.7	6.6
1.70	155	122	103	90	67	53	45	38.6	22.8	16.8	13.4	11.4	9.8	7.8	6.6
1.65	163	130	109	94	68	54	45	38.9	23.0	16.9	13.5	11.4	9.9	7.9	6.7
1.60	172	134	113	98	69	55	46	39.5	23.1	17.0	13.5	11.5	9.9	7.9	6.8

Constant power discharge (Watt/cell @25 ℃)

Final Voltage (V/cell)	Minute							Hour							
	5	10	15	20	30	40	50	1	2	3	4	5	6	8	10
1.85	228	183	157	140	107	88	77	67.6	41.7	33.0	26.5	22.2	18.9	15.1	13.1
1.80	280	220	175	146	113	94	81	70.2	42.8	33.3	27.0	22.4	19.2	15.3	13.2
1.75	312	234	187	150	118	98	85	74.1	43.4	33.7	27.4	22.6	19.6	15.5	13.3
1.70	335	250	195	155	124	101	87	76.1	44.3	34.1	27.8	22.8	20.0	15.7	13.3
1.65	358	256	200	159	127	103	89	78.0	45.0	34.5	28.2	23.1	20.5	15.8	13.4
1.60	386	263	205	167	133	105	91	80.0	45.4	34.8	28.6	23.2	21.0	15.9	13.5

This information is generally descriptive only and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specifications are subject to modification without notice. Contact Coslight for the last information.