



Specifications

Nominal voltage	12V
Nominal capacity	90Ah (20hr. rate to 10.8V)
	84.1Ah (10hr. rate to 10.8V)
	77.4Ah (8hr. rate to 10.8V)
	74.8Ah (5hr. rate to 10.8V)
	63.9Ah (3hr. rate to 10.8V)
	46.2Ah (1hr. rate to 10.5V)
Approximate weight	27kg
Energy density	84.8Wh/L
Specific energy	43.5Wh/Kg
Internal resistance	5.0mΩ
Terminals	φ6
Operating temperature range	Charge: -40°C~50°C
	Discharge: -20°C~50°C
	Storage: -20°C~40°C
Best range	15°C~25°C
Equalizing charge	14.50V~14.90V/battery (25°C)
Float voltage	13.65V~13.80V/battery (25°C)
Self-discharge & storage	1month: 97%
	3months: 91%
	6months: 83%
Case material	ABS plastic
Designed life	8 years
Extend type	85~90Ah

BATTERY TYPE

6-GFM-90 (B)

S series products

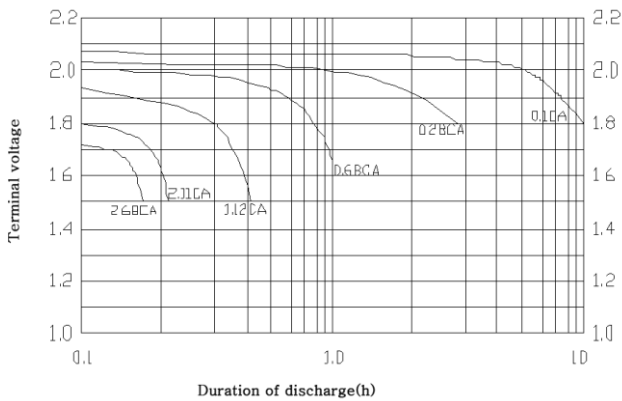
Constant current discharge ratings (25°C)

Final	5min	15min	30min	45min	1h	2h	3h	5h	8h	10h	12h	24h
1.60V	330.75	177.66	107.73	78.12	63.11	36.23	26.25	16.60	11.00	9.00	7.60	4.00
1.67V	310.91	171.99	105.84	77.60	62.79	36.02	25.83	16.50	10.90	8.90	7.60	3.90
1.70V	308.07	168.21	104.90	77.07	62.37	35.70	25.73	16.20	10.80	8.80	7.50	3.90
1.75V	282.56	163.49	103.95	76.44	61.43	34.86	25.31	16.10	10.70	8.80	7.50	3.90
1.80V	254.21	152.15	99.23	73.29	59.85	34.55	25.20	15.80	10.60	8.70	7.40	3.90
1.83V	241.92	139.86	97.34	70.88	57.23	34.13	24.36	15.30	10.40	8.40	7.10	3.90
1.85V	226.80	135.14	90.72	68.04	55.44	32.87	23.73	14.90	10.10	8.40	7.00	3.80

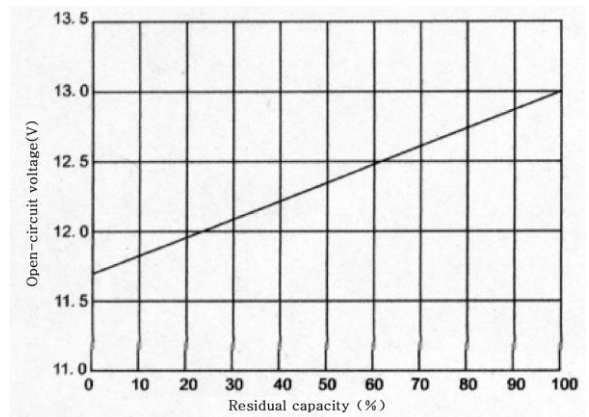
Constant power discharge ratings (25°C)

Final	5min	15min	30min	45min	1h	2h	3h	5h	8h	10h	12h	24h
1.60V	592.04	332.22	205.76	150.77	122.42	71.00	52.50	33.37	22.22	18.27	15.47	8.20
1.67V	556.52	321.62	202.15	149.76	121.81	70.59	51.66	33.17	22.02	18.07	15.47	8.00
1.70V	551.45	314.55	200.35	148.75	121.00	69.97	51.45	32.56	21.82	17.86	15.26	8.00
1.75V	505.77	305.72	198.54	147.53	119.16	68.33	50.61	32.36	21.61	17.86	15.26	8.00
1.80V	455.03	284.51	189.52	141.45	116.11	67.71	50.40	31.76	21.41	17.66	15.06	8.00
1.83V	433.04	261.54	185.91	136.79	111.02	66.89	48.72	30.75	21.01	17.05	14.45	8.00
1.85V	405.97	252.70	173.28	131.32	107.55	64.42	47.46	29.95	20.40	17.05	14.25	7.79

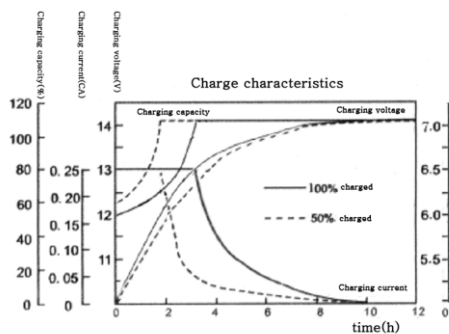
Discharge characteristics



Capacity vs. open voltage



Charge characteristics



Self-discharge & Storage

