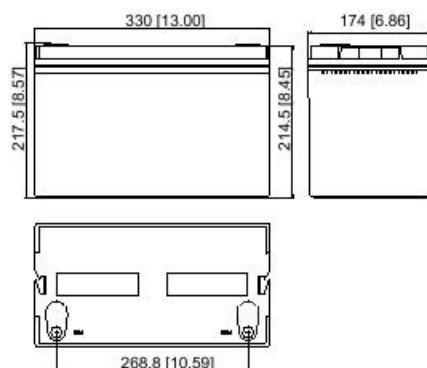


GP series 6-FM-100PB



■ Dimensions



■ Feature

High strength ABS container
 AGM VRLA sealed technology
 Punch plate technology

■ Application

UPS system
 Electric system
 Cable television system

■ Specifications

Nominal voltage	12V
Nominal capacity	100Ah(20h rated, 1.75V/cell, 25°C)
Weigh	27kg
Internal resistance	Approx. 6.14mΩ
Operation temp.	Discharge: -40°C~50°C Charge: -20°C~50°C Storage: -20°C~40°C
Optium temperature	15°C~25°C
Float charge	2.27V/cell (25°C)
Max. charge current	25A
Equlization charge	2.35V~2.40V/cell (25°C)
Self discharge	Residue capacity above 87% after 90 days storage at 25°C
Terminal	M8
Container material	ABS

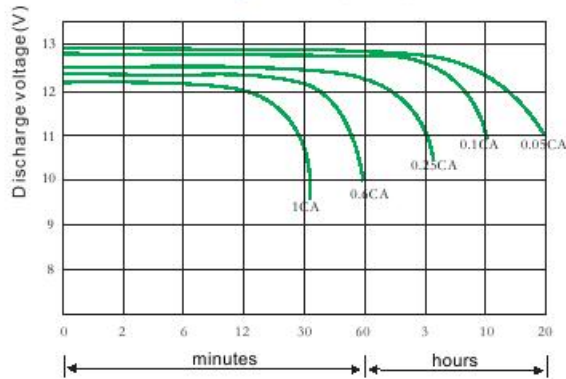
Constant current discharge data (A, 25°C)

End voltage cell	5min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	12h	20h	24h
1.60V	352	172	109	78.9	60.7	34.1	25.0	19.9	16.7	14.6	11.4	9.38	7.98	5.01	4.21
1.67V	332	166	107	76.9	60.0	33.8	24.9	19.9	16.6	14.5	11.4	9.35	7.96	5.01	4.19
1.70V	320	162	106	75.7	59.3	33.7	24.8	19.8	16.6	14.5	11.4	9.34	7.94	5.00	4.19
1.75V	295	156	103	73.4	58.2	33.3	24.7	19.7	16.5	14.5	11.3	9.30	7.93	5.00	4.18
1.80V	263	146	98.6	70.8	56.9	32.8	24.4	19.6	16.4	14.4	11.3	9.30	7.91	4.97	4.17
1.83V	227	134	93.2	68.3	54.8	32.2	24.0	19.4	16.2	14.3	11.2	9.26	7.89	4.92	4.17
1.85V	210	129	90.6	67.9	54.1	31.9	23.8	19.3	16.2	14.2	11.2	9.19	7.85	4.91	4.15

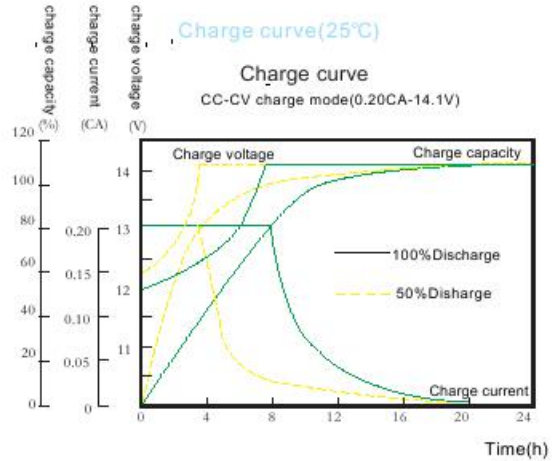
Constant power discharge data (W/cell, 25°C)

End voltage cell	5min	15min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	12h	20h	24h
1.60V	588	307	198	148	114	64.7	48.1	38.6	32.3	28.6	22.4	18.3	15.8	10.0	8.42
1.67V	567	298	196	145	112	64.3	48.0	38.6	32.2	28.5	22.4	18.3	15.8	10.0	8.39
1.70V	551	292	194	143	112	64.3	47.8	38.5	32.2	28.4	22.3	18.3	15.7	10.0	8.37
1.75V	515	286	192	140	110	63.9	47.7	38.4	32.1	28.4	22.3	18.3	15.7	9.94	8.36
1.80V	481	270	187	137	110	63.6	47.3	38.2	32.0	28.4	22.2	18.3	15.7	9.90	8.35
1.83V	422	250	179	133	106	62.5	47.1	38.1	32.0	28.3	22.2	18.2	15.6	9.84	8.33
1.85V	392	242	174	132	105	61.9	46.7	38.0	31.9	28.1	22.2	18.2	15.6	9.82	8.30

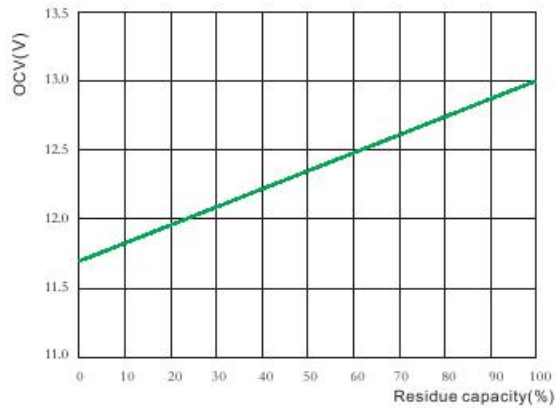
Discharge curve (25°C)



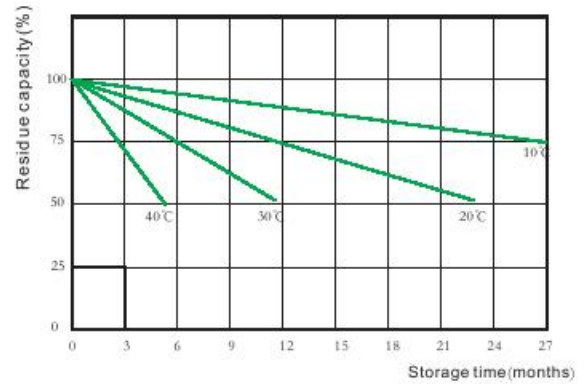
Charge curve(25°C)



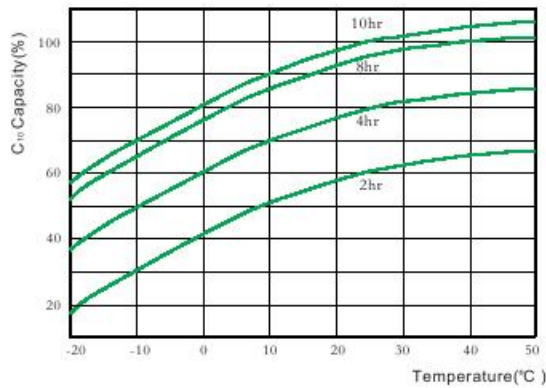
OCV vs state of charge



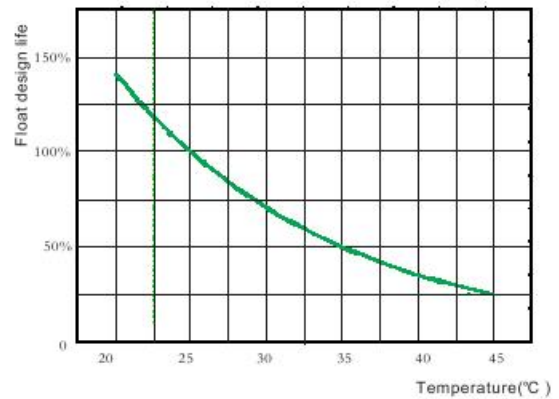
Residue capacity vs. storage time



Temperature vs capacity curve



Temperature vs design life curve



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