

Applications

- ◆ All purpose
- ◆ Uninterruptable Power Supply (UPS)
- ◆ Electric Power System (EPS)
- ◆ Emergency backup power supply
- ◆ Emergency light
- ◆ Railway signal
- ◆ Aircraft signal
- ◆ Alarm and security system
- ◆ Electronic apparatus and equipment
- ◆ Communication power supply
- ◆ DC power supply
- ◆ Auto controlsystem

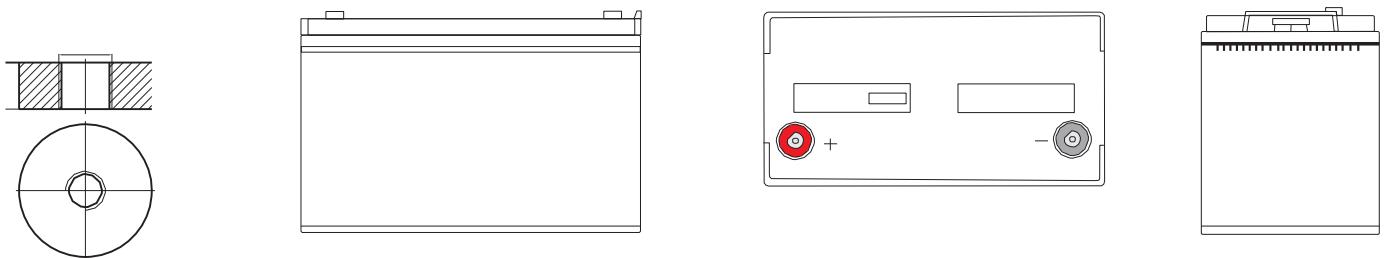


Specification

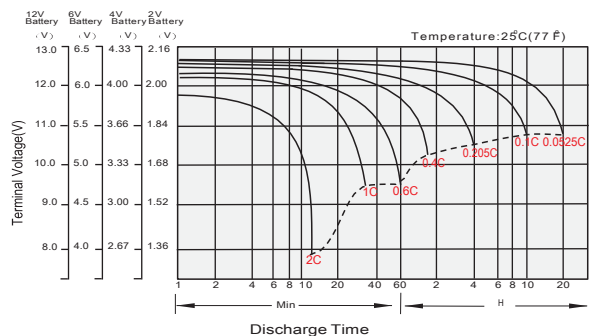
Nominal Voltage	12V	
Approx Weight	Approx 28.5 kg (62.8lbs)	
Terminal	T11/T10	
Container Material	ABS	
Internal Resistance	Approx 4.8mΩ	
Operating Temp.Range	Discharge : -15 ~ 50°C (5 ~ 122°F)	
	Charge : 0 ~ 40°C (32 ~ 104°F)	
	Storage : -15 ~ 40°C (5 ~ 104°F)	
Nominal Operating Temp. Range	25 ± 3°C (77 ± 5°F)	
Cycle Use	Initial Charging Current less than 30.0A. Voltage	
	14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C	
Standby Use	No limit on Initial Charging Current Voltage	
	13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°C	
Capacity affected by Temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	GP series batteries may be stored for up to 6 months at 25°C(77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	

Dimensions

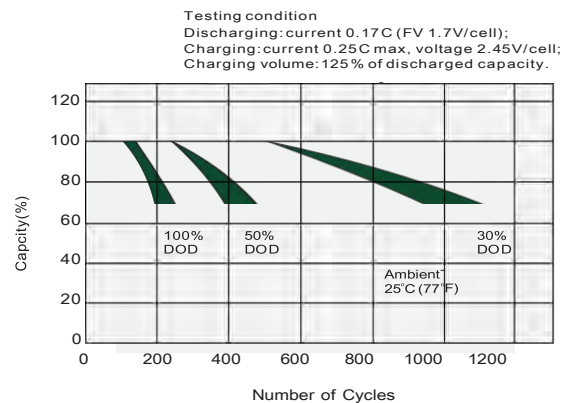
T11 Terminal



Discharge Characteristics



Cycle Life in Relation to Depth of Discharge



VRLA Battery Specification

GP series

Design Service Life: 12 Years

Model	Nominal Voltage (V)	Rated Capacity (Ah)	Approx Dimension								Approx Weight		Terminal Type
			Length		Width		Height		Total Height		kg	lbs	
			mm	inch	mm	inch	mm	inch	mm	inch			
GP1.2-4	4	1.2	35	1.38	22	0.97	92	3.62	97	3.82	0.15	0.33	/
GP4.5-4	4	4.5	52.5	2.07	48	1.89	94	3.70	100	3.94	0.60	1.32	T1/T2
GP5-4	4	5	91	3.58	50	1.97	74	2.91	74	2.91	0.66	1.46	T1/T2
GP10-4	4	10	101.5	3.99	50	1.97	94	3.70	100	3.94	1.14	2.51	T2
GP1-6	6	1	97	3.82	24	0.94	52	2.05	58	2.28	0.24	0.53	T1
GP1.3-6	6	1.3	97	3.82	24	0.94	52	2.05	58	2.28	0.27	0.60	T1
GP3.5-6	6	3.5	70	2.76	47	1.85	101	3.98	106	4.17	0.63	1.39	T1
GP4-6	6	4	70	2.76	47	1.85	101	3.98	106	4.17	0.67	1.48	T1
GP5-6	6	5	70	2.76	47	1.85	101	3.98	106	4.17	0.80	1.76	T1
GP7-6	6	7	151	5.94	34	1.34	94	3.70	100	3.94	1.00	2.21	T1/T2
GP10-6	6	10	151	5.94	51	2.01	95	3.75	100	3.94	1.45	3.20	T1/T2
GP12-6	6	12	151	5.94	51	2.01	95	3.75	100	3.94	1.60	3.53	T1/T2
GP60-6	6	60	185	7.28	112	4.41	205	8.07	205	8.07	8.9	19.6	T2/T3
GP100-6	6	100	195	7.68	170	6.69	207	8.15	213	8.39	15.1	33.3	T6
GP120-6	6	120	280	11.02	128	5.04	203	7.99	203	7.99	16.3	35.9	T6
GP150-6	6	150	260	10.24	180	7.09	247	9.72	253	9.96	19.8	43.7	T7
GP180-6	6	180	306	12.05	168	6.61	222	8.74	228	8.98	26.5	58.4	T8
GP200-6	6	200	322	12.68	178	7.01	226	8.90	234	9.21	28.7	63.3	T11
GP1-12	12	1	97	3.82	44	1.73	52	2.05	58	2.28	0.46	1.01	T1
GP1.3-12	12	1.3	97	3.82	44	1.73	52	2.05	58	2.28	0.50	1.10	T1
GP2.2-12	12	2.2	176	6.93	36	1.42	61	2.40	67	2.64	0.85	1.87	T1
GP3.5-12	12	3.5	91	3.58	71	2.79	100	3.94	106	4.17	1.20	2.65	T1/T2
GP4-12	12	4	91	3.58	71	2.79	100	3.94	106	4.17	1.40	3.09	T1/T2
GP5-12	12	5	91	3.58	71	2.79	100	3.94	106	4.17	1.54	3.40	T1/T2
GP7-12	12	7	151	5.95	64	2.52	94	3.70	100	3.94	2.1	4.63	T1/T2
GP9-12	12	9	151	5.95	64	2.52	94	3.70	100	3.94	2.3	5.07	T1/T2
GP12-12	12	12	151	5.94	98	3.86	95	3.74	101	3.98	3.5	7.72	T1/T2
GP17-12	12	17	181	7.13	76	2.99	167	6.57	167	6.58	5.5	12.1	T3
GP24-12	12	24	165	6.50	125	4.92	175	6.89	182	7.17	7.9	17.4	T3/T10/T12
GP33-12	12	33	195	7.68	130	5.12	155	6.10	180	7.09	9.1	20.1	T5/T6/T12
GP38-12	12	38	197	7.76	165	6.50	176	6.93	182	7.17	12.2	26.9	T5/T6/T12
GP55-12	12	55	231	9.09	139	5.47	208	8.19	225	8.86	14.8	32.6	T6/T9/T14
GP65-12	12	65	348	13.70	166	6.53	178	7.01	178	7.01	19.0	41.9	T6
GP70-12	12	70	260	10.24	169	6.54	209	8.23	220	8.66	20.9	46.1	T6/T14
GP80-12	12	80	348	13.70	166	6.53	178	7.01	178	7.01	21.1	46.5	T6
GP90-12	12	90	306	12.05	168	6.61	210	8.27	230	9.06	24.5	54.0	T6/T9
GP100-12 A	12	100	329	12.95	171	6.73	214	8.43	220	8.66	29.0	63.9	T11
GP100-12 B	12	100	407	16.02	174	6.85	208	8.19	233	9.17	30.5	67.2	T11
GP120-12	12	120	407	16.02	174	6.85	208	8.19	233	9.17	32.0	70.6	T11
GP150-12	12	150	483	19.02	170	6.69	239	9.41	240	9.45	41.9	92.4	T11
GP200-12	12	200	522	20.55	239	9.41	218	8.58	224	8.82	56.0	123.5	T11
GP250-12	12	250	522	20.55	268	10.55	218	8.58	226	8.90	70.0	154.3	T11

★ Specification subject to change without prior notice.