



AGM Technology
ABT PowerLine SGP Series

Complying standards:

IEC61056-21/22:2002

JIS C8702-1/2-2009

SGP12-200

12V200Ah(10hr)



ABT PowerLine SGP series is a general purpose battery according to Eurobat Classification with 10 years design life for standby application. As with all ABT batteries, all are rechargeable, highly efficient, leakage proof and maintenance free.

Mechanical Characteristics

	SI Unit	EN Unit
Length	522mm	20.55inch
Width	234mm	9.21inch
Height	218mm	8.58inch
Total Height	225mm	8.86inch
Approx. Weight	55.6kg	122.32lbs

Type of material for container and lids:

ABS Standard (FV0 Optional)

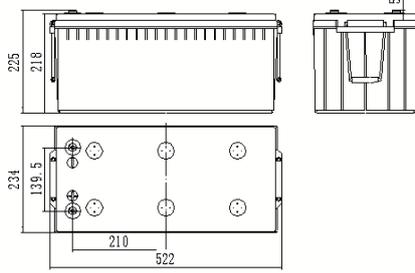
Product Characteristics

- 10 years life expectancy in float service at 68°F (20°C)
- High specific energy
- Good cycling performance and over-discharging recovery performance
- Low rate of self-discharge : ≤2% monthly on average (20°C)
- Usable for vertical or horizontal
- Easy installation and handling
- Safety and reliable leakage-proof performance

Performance Characteristics

- Rated voltage: 12V (6 cells)
- Rated capacity at 68°F (20°C)
 - 20h rate (10.4A, 10.8V) 208Ah
 - 10h rate(20.0A, 10.8V) 200Ah
 - 1h rate(110A, 10.5V) 110Ah
- Internal resistance:
 - 3.0mΩ when fully charged at 68°F (20°C)
- Average self-discharge rate:
 - ≤2% per month 68°F (20°C)
- Maximum discharge current:
 - 1800A(5s) at 68°F (20°C)
- Working temperature range:
 - Discharge: -15~45°C
 - Charge: -10~45°C
 - Storage: -20~55°C
- Charging method:
 - with constant voltage at 68°F (20°C)
 - Maximum charge current: 60A
 - Temperature compensation: -21mV/°C/piece
 - Cycle use: 14.52 V/ piece
 - Standby use: 13.74 V/ piece

Dimensions/Terminal



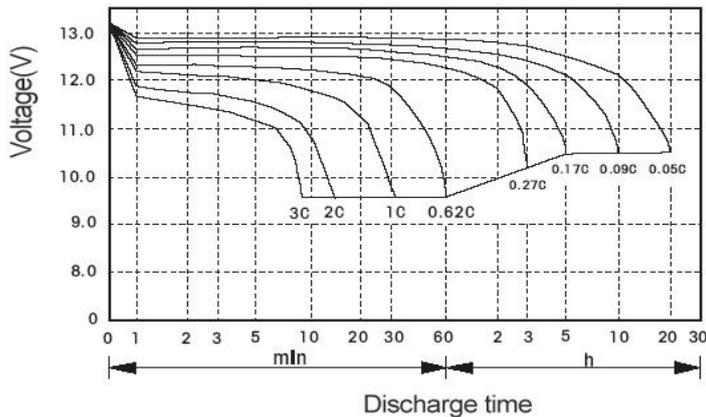
Constant Current Discharge Data (Ampere at 20°C/68 °F)

End Volt	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	5h	10h	20h
1.60	409	312	244	189	145	117	88.4	69.3	53.2	35.3	20.5	10.8
1.65	386	302	235	184	142	115	87.0	68.3	52.5	34.8	20.4	10.7
1.70	372	288	226	177	138	113	85.1	67.3	51.7	34.4	20.3	10.7
1.75	339	270	218	169	133	110	82.8	66.5	51.0	34.0	20.2	10.6
1.80	312	253	205	163	129	105	80.5	64.2	50.0	33.2	20.0	10.4

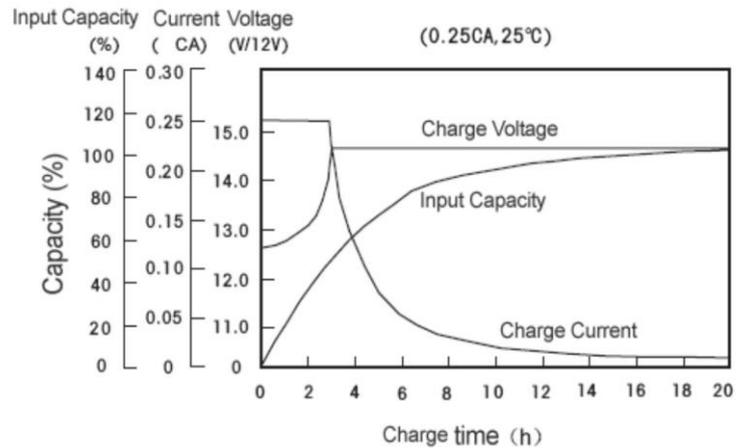
Constant Power Discharge Data (Watts per cell at 20°C/68 °F)

End Volt	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	5h	10h	20h
1.60	710	580	458	355	262	214	164	131	101	66.2	40.0	21.1
1.65	682	565	451	349	256	211	162	130	100	65.8	39.7	21.0
1.70	650	548	437	341	252	207	161	129	99.5	65.3	39.5	20.9
1.75	614	521	420	329	246	204	160	128	98.7	64.7	39.3	20.8
1.80	571	491	399	312	238	198	157	126	96.6	64.0	39.0	20.6

Discharge curve under different discharge rate



Charge capacity vs. charge time



Contact information

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ABT VRLA Battery: Available power range from 26Ah to 3000Ah.

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