

BATTERY
CS3



GPL series
General Purpose Long Life
Stability, Dependability and Reliability

ENERGY OF INFINITY ▼

Confidence & Creativity
Service & Sincerity
Belief & Bravery

GPL

GPLseries

GPL-series batteries use the latest Valve Regulated Lead-Acid (VRLA) technology, which boasts up to 10 years of expected life under normal float charge. They are high-performance, long-lasting, leak-proof, lightweight, small and maintenance-free. Like all other CSB batteries, they are rechargeable and highly efficient, and feature ISO/UL recognition.



Features

- Flame-retardant container and cover complies with UL94 V-0.28%L.O.I.(Optional).
- Flame-arresting vents for long life and safety.
- Improved Pd-Ca-Sn alloy resists grid corrosion.
- Specially designed container maintains structural integrity in high operating temperatures.
- Adopts the latest separator advances with +99% efficient gas recombination.
- Less internal resistance than conventional types.

Service life

- 10 years expected life under normal float charge conditions at 25 °C (77 °F).
- Extended shelf life (up to 14 months at 20 °C).

Reliability

- CSB-manufactured batteries are 100% 2-cycle tested by CCDS.
- CSB-manufactured batteries are UL-recognized components under UL 924 and UL 1989. CSB file number MH 14533.
- ISO 9001/14001 certified.

Applications

- Telecommunications Applications (Distributed Power, PHS, Cellular and Broadband).
- Uninterrupted Power Supply.
- Power Plants and Substations (Signaling and Communications).
- Emergency Lighting.
- Fire Alarm and Security Systems.
- Replacement for Open-Type Stationary Lead-Acid Batteries.

GPL12750**Constant Current Discharge Characteristics Unit:Amperes(25°C, 77°F)**

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	325	210	155	93.3	53.4	31.0	21.5	16.7	13.8	9.36	7.85	4.45
1.67V	292	194	146	90.1	52.3	30.5	21.2	16.6	13.7	9.30	7.69	4.42
1.70V	276	187	142	88.5	51.6	30.2	21.0	16.5	13.6	9.28	7.62	4.41
1.75V	249	174	135	85.4	50.4	29.8	20.6	16.2	13.5	9.11	7.56	4.33
1.80V	220	160	129	82.1	49.2	29.3	20.2	15.9	13.4	8.93	7.50	4.24
1.85V	188	145	121	78.5	47.7	28.8	19.8	15.6	13.0	8.76	7.44	4.16

Constant Power Discharge Characteristics Unit:Watts(25°C, 77°F)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	3,420	2,370	1,778	1,070	623	363	253	197	163	112	94.7	53.2
1.67V	3,120	2,181	1,676	1,029	611	360	250	196	160	111	93.6	52.5
1.70V	2,986	2,100	1,626	1,008	604	358	248	195	159	110	93.1	52.1
1.75V	2,718	1,935	1,535	972	593	353	244	193	158	109	92.0	51.5
1.80V	2,450	1,770	1,442	936	580	347	240	189	156	107	90.8	50.8
1.85V	2,140	1,605	1,334	889	565	342	236	186	153	105	89.2	50.1

GPL12880**Constant Current Discharge Characteristics Unit:Amperes(25°C, 77°F)**

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	381	252	187	109	62.6	36.4	25.2	19.6	16.5	11.0	9.10	4.92
1.67V	342	230	176	105	61.0	35.8	24.8	19.5	16.4	10.9	9.00	4.87
1.70V	323	221	171	103	60.3	35.5	24.6	19.4	16.3	10.8	8.97	4.85
1.75V	291	205	160	99.1	59.0	35.0	24.2	19.1	15.9	10.6	8.92	4.82
1.80V	258	187	151	95.0	57.7	34.4	23.7	18.7	15.5	10.4	8.88	4.79
1.85V	220	169	140	90.8	56.0	33.9	23.3	18.4	15.1	10.2	8.83	4.76

Constant Power Discharge Characteristics Unit:Watts(25°C, 77°F)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	4,010	2,679	2,020	1,250	731	426	297	231	192	131	111	62.5
1.67V	3,632	2,496	1,908	1,205	716	422	293	229	188	129	110	62.2
1.70V	3,451	2,409	1,850	1,184	708	418	290	227	187	128	109	62.0
1.75V	3,131	2,251	1,756	1,143	695	414	287	225	185	127	108	60.9
1.80V	2,817	2,080	1,651	1,097	680	407	282	221	184	126	107	59.8
1.85V	2,500	1,887	1,563	1,045	662	401	278	218	181	124	106	58.7

GPL121000**Constant Current Discharge Characteristics Unit:Amperes(25°C, 77°F)**

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	433	287	214	124	71.2	40.3	28.7	22.3	18.4	12.5	10.5	5.42
1.67V	388	263	198	120	69.7	39.7	28.2	22.0	18.2	12.4	10.4	5.38
1.70V	366	253	193	118	69.0	39.4	28.0	21.9	18.1	12.3	10.3	5.36
1.75V	330	234	183	113	67.6	38.8	27.5	21.6	17.9	12.1	10.2	5.31
1.80V	290	215	171	108	65.6	38.1	26.9	21.2	17.7	11.9	10.0	5.25
1.85V	250	196	161	103	63.6	37.5	26.4	20.9	17.3	11.7	9.80	5.20

Constant Power Discharge Characteristics Unit:Watts(25°C, 77°F)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	4,560	3,150	2,371	1,420	830	472	337	263	218	149	126	71.0
1.67V	4,162	2,905	2,223	1,368	814	465	333	262	216	148	125	70.6
1.70V	3,972	2,783	2,150	1,342	806	461	331	261	214	147	124	70.4
1.75V	3,625	2,580	2,037	1,290	789	454	326	257	213	146	123	69.2
1.80V	3,251	2,360	1,897	1,238	773	445	320	252	212	143	121	67.9
1.85V	2,855	2,140	1,774	1,185	753	437	315	248	207	141	119	66.7

BATTERY
CSB

FUTURE

WAY TO THE FUTURE CSB WITH YOU

BATTERY



SALES OFFICE

TAIWAN OFFICE

CSB BATTERY CO., LTD.
5F-1, No.36, Nanjing W. Rd.,
Datong District,
Taipei City 10352 ,
Taiwan (R.O.C.),
Tel: +886-2-2555-5600
Fax: +886-2-2555-3300
E-mail: service@csb-battery.com.tw

USA OFFICE

CSB BATTERY TECHNOLOGIES, INC.
2901, White Settlement Rd.
Ft. Worth TX 76107.
U.S.A.
Tel: +1-817-244-7777/1-(800)3
CSBUSA(272872)
Fax: +1-817-244-4445
E-mail: csb@csb-battery.com

EUROPE OFFICE

CSB BATTERY OF NETHERLANDS B.V
Ridderhaven 32
2984BT Ridderkerk
The Netherlands
Tel: +31 (0) 180 418 140
Fax: +31 (0) 180 418 327
E-mail: eurosales@csb-battery.com

BEIJING OFFICE

CSB BATTERY TECHNOLOGIES (BEIJING) CO., LTD.
2th Fl. 7G, Future Business Center, Chaoyang
North Rd., Chaoyang District
Beijing, China
Zipcode: 100024
Tel: +86-10-5962-1300 / 1301 / 1302 / 1303
Fax: +86-10-5962-1304
E-mail: chinasl@csb-battery.com

SHANGHAI OFFICE

CSB BATTERY LOGISTICS (SHANGHAI) CO., LTD.
Sec. A, 3Fl., No.6 Building, No.350, Xiya Rd.,
Shanghai Waigaoqiao Trade Zone.
Shanghai, China
Zipcode: 200131
Tel: +86-21-5046-1622, 5046-0833
Fax: +86-21-5064-3314
E-mail: chinasl@csb-battery.com.tw

SHENZHEN OFFICE

CSB BATTERY LOGISTICS (SHANGHAI) CO., LTD.
Room 2103-2105, Block East,
City Professional Hub, Shennan Avenue, Futian
Shenzhen, China
Zipcode: 518053
Tel : + 86-755-2694-2788/2606/2706
Fax: + 86-755-2694-2748
E-mail: she@csb-battery.com.tw

MANUFACTURING SITE

GUANGZHOU FACTORY

CSB BATTERY GUANGZHOU CO., LTD.
No 97, Tianyuan Road, Yonghe Area,
Guangzhou Economic Technology Development
Zone, P.R.C.
Postcode: 511356
Tel : +86-20-8297-9716
Fax : +86-20-8297-9719

GUAN TYAN FACTORY

CSB GUAN TYAN FACTORY (TAIWAN)
No. 16, Gong Yeh West Rd., Ell Jenn Tsuen,
Guan Tyan Hsiang, Tainan Hsien,
Taiwan.
Tel : +886-6-698-7600
Fax : +886-6-698-5734