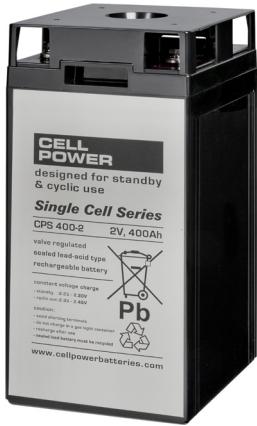


CPS 400-2



Typical applications

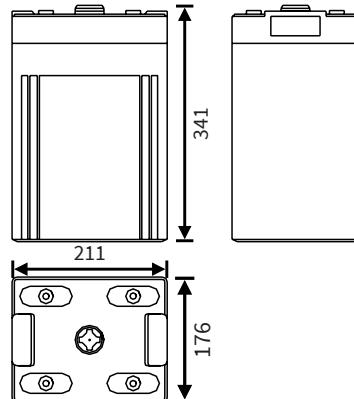
- Marine
- UPS systems
- Data centers
- Telecom systems
- Security systems
- Air traffic power stations
- Medical equipment
- Solar energy
- Military bases

Features

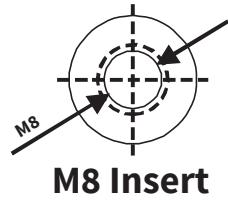
- Valve Regulated Lead Acid (VRLA)
- Absorbent Glass Mat Technology (AGM)
- Maintenance free
- Low self-discharge rate
- Classified as non-spillable and Non Dangerous goods by IATA, FAA, ADR, IMDG
- Can be discharged or stored in any position without leakage
- Battery cannot be charged while upside down
- Produced under ISO 9001 & ISO 14001

Single cell battery (20 year design life)

Dimensions (mm)



Standard terminal



M8 Insert

Nominal voltage	2 V
Nominal capacity (1.75V/c, 25°C)	10Hr: 409.0 Ah
	5Hr: 360.0 Ah
	1Hr: 219.0 Ah
Internal resistance	≤0.72mΩ (fully charged)
Maximum charge current	80 A
Maximum discharge current	2000 A (max. 5 sec)
Float use / cyclic use	2.20 - 2.30V / 2.40 - 2.45V
Self discharge	Lower than 3% per month
Operating temperature range	-20°C ~ 60°C
Designlife (20°C)	20 years in float
Standard terminal	Insert M8 (12.4 Nm torque)
Housing material	Flame retardant ABS (UL94-V0)
Dimensions Length	211 mm
Dimensions Width	176 mm
Dimensions Height	341 mm (367 mm with cover)
Approximate Weight	28.0 kg
Packing	1 pcs / box

Constant Current Discharge (Amps) at 25 °C (77°F)

F.V/TIME	15 Min	30 Min	45 Min	60 Min	3 Hr	5 Hr	10 Hr
1.80V/cell	470	347	269	208	98	69.4	40.0
1.75V/cell	500	368	284	219	102	72.0	40.9
1.70V/cell	530	388	298	229	106	74.0	41.7
1.65V/cell	559	408	312	238	110	75.9	42.4
1.60V/cell	587	427	325	247	114	77.7	43.0

Constant Power Discharge (Watts) per Cell* at 25 °C (77°F)

F.V/TIME	15 Min	30 Min	45 Min	60 Min	2 Hr	3 Hr	5 Hr
1.80V/cell	710	587	509	401	246	185	125
1.75V/cell	760	626	543	425	260	197	132
1.70V/cell	810	665	576	449	270	203	135
1.65V/cell	860	703	610	471	286	209	138
1.60V/cell	909	740	641	493	310	214	140

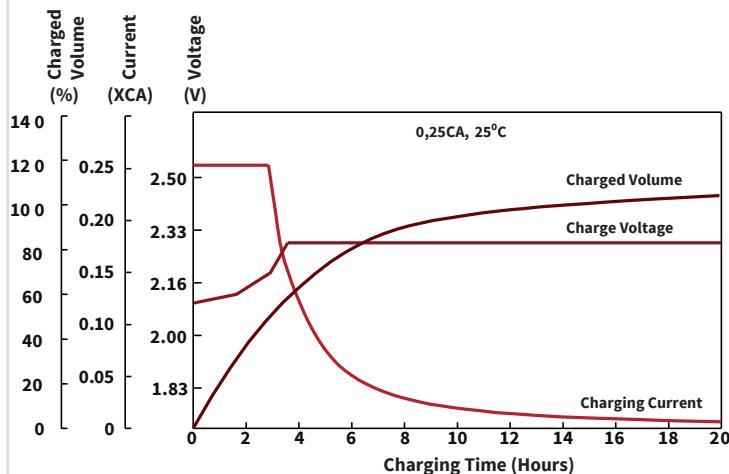
*: Battery consists of 1 cell

Recommended

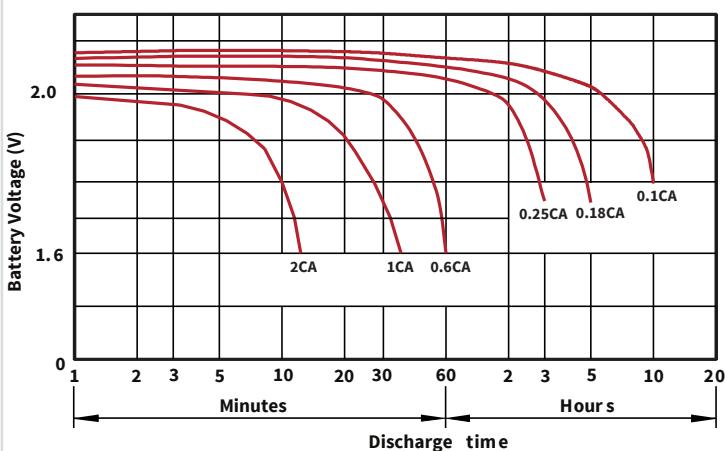
Having the right battery is often just the beginning. Optimal use of a battery requires having a good battery charger, so that the user can be sure that their battery is always optimally charged and has maximum lifespan. Cellpower offers various intelligent battery chargers, as well as battery testers, battery monitors, battery guards and galvanic isolators. All designed to easily monitor the battery quality and make sure the battery remains in the best condition possible.



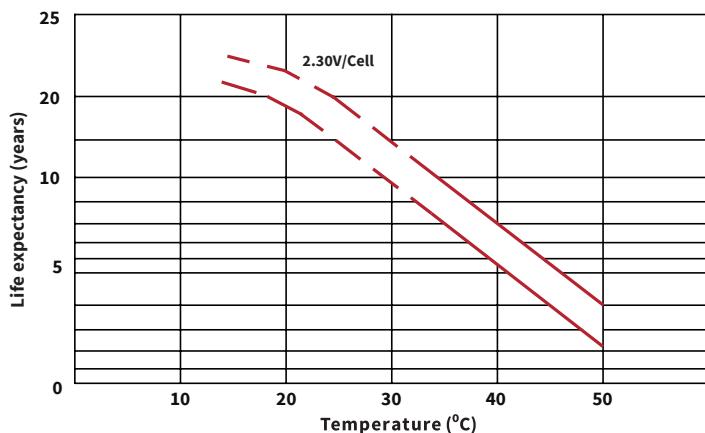
Charge characteristics



Discharge characteristics

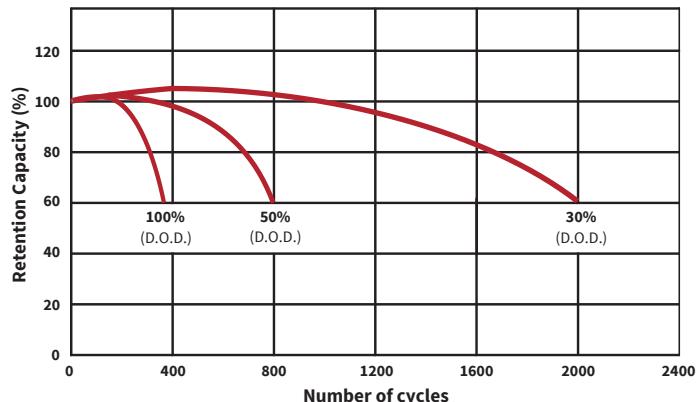


Relationship between servicelife and temperature



Cycle service life in relation to depth of discharge

Testing conditions: Discharge current 0.17CA (FV 1.70V/cell)
Ambient Temperature: 25°C (77°F)



Models available

Model	Voltage	Capacity (Ah)	Dimensions (mm)	Weight (kg)
CPS 200-2	2	200	173x111x329/364	14.2
CPS 300-2	2	300	171x151x330/364	20.0
CPS 400-2	2	400	211x176x329/367	28.0
CPS 500-2	2	500	241x173x330/365	33.0
CPS 600-2	2	600	302x175x331/367	40.0
CPS 1000-2	2	1000	475x175x340/367	66.5
CPS 1500-2	2	1500	400x350x367/382	100.0
CPS 2000-2	2	2000	490x350x367/382	132.0
CPS 3000-2	2	3000	710x350x367/382	210.0

Cellpower family

Cellpower supplies a broad range of reliable AGM, GEL and Lithium batteries. Each product series has its own unique characteristics, so that there is a suitable battery for every application with its associated specific usage profile. Combined with the right Cellpower battery accessories, you're able to assemble a high-quality and reliable battery system.

The sealed, maintenance-free AGM lead battery type has a long operational lifetime. When used correctly, the Absorbent Glass Mat (AGM) technology offers dependable, lasting service. Additionally, AGM batteries exhibit very little self-discharge when compared with other lead-acid batteries. Sealed lead-acid batteries require low maintenance and do not need to be refilled with water or other liquids.

