CPW 22-12

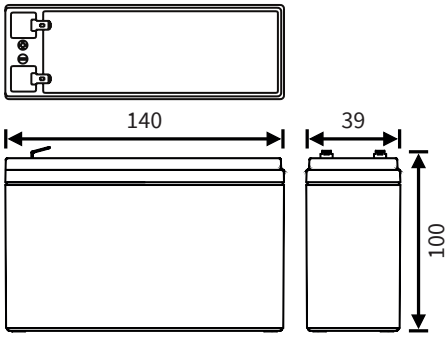
Long life High Rate AGM battery (8-10 years)

WARRANTY 3 YEARS WARRANTY*

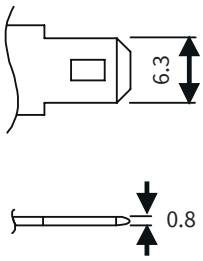
CELL POWER

No image available at this time

Dimensions (mm)



Standard terminal (mm)



Typical applications

- UPS systems
- Data centers
- Telecom systems
- Security systems
- Emergency lighting
- Air traffic power stations
- Start boosters
- Medical equipment

Features

- Valve Regulated Maintenance Free (VRLA)
- Absorbent Glass Mat Technology (AGM)
- Built to comply with DIN 43534, IEC896-2, BS6290-pt.4
- Low self discharge
- 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

Nominal voltage	12 V
Nominal capacity (1.75V/c, 25°C)	20Hr: 3.9 Ah
	10Hr: 3.8 Ah
Nominal power (1.75V/c, 25°C)	10Min: 19.8 W/cell
Internal resistance	≤42mΩ (fully charged)
Maximum charge current	1.2 A
Maximum discharge current	60 A (max. 5 sec)
Float use / Cycle use	13.5 - 13.8V / 14.4 - 15.0V
Self discharge	Lower than 3% per month
Operating temperature range	-20°C ~ 50°C
Designlife (20°C)	8 - 10 years in float (EUROBAT)
Standard terminal	Faston 6.3mm (T2)
Housing material	ABS (UL94-HB)
Dimensions Length	140 mm
Dimensions Width	39 mm
Dimensions Height	100 mm
Approximate Weight	1.35 kg
Packing	10 pcs / box

*: 5 years warranty optional. Warranty valid for stand-by use only. Additional terms and conditions may apply. Ask your Cellpower representative.

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

F.V/TIME	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V/cell	14.2	9.9	7.69	4.88	2.70	1.03	0.662	0.376	0.192
1.75V/cell	15.6	10.5	8.03	4.99	2.73	1.04	0.669	0.380	0.194
1.70V/cell	17.0	11.0	8.36	5.09	2.76	1.05	0.675	0.383	0.196
1.67V/cell	17.4	11.2	8.50	5.14	2.78	1.05	0.676	0.384	0.196
1.60V/cell	18.2	11.6	8.74	5.20	2.80	1.05	0.677	0.385	0.197

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

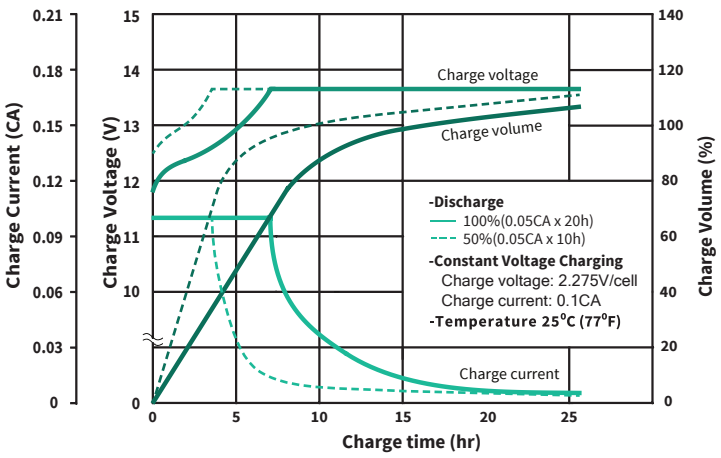
F.V/TIME	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V/cell	26.0	18.7	14.8	9.60	5.38	2.05	1.32	0.752	0.385
1.75V/cell	28.6	19.8	15.5	9.80	5.45	2.08	1.34	0.760	0.388
1.70V/cell	31.1	20.9	16.1	10.0	5.52	2.10	1.35	0.767	0.392
1.67V/cell	31.8	21.2	16.3	10.1	5.54	2.10	1.35	0.768	0.393
1.60V/cell	33.3	22.0	16.8	10.2	5.60	2.10	1.35	0.770	0.393

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

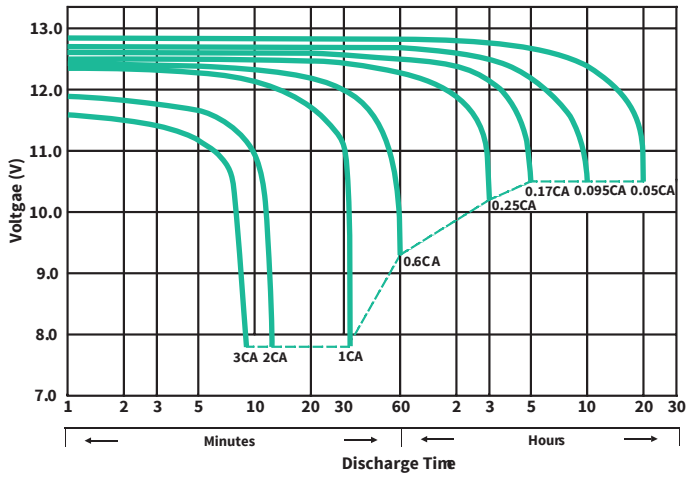
F.V/TIME	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.75V/cell	15.6 A	10.5 A	8.03 A	4.99 A	2.73 A	1.04 A	0.669 A	0.380 A	0.194 A
1.75V/cell	28.6 W	19.8 W	15.5 W	9.80 W	5.45 W	2.08 W	1.34 W	0.760 W	0.388 W

*: Battery consists of 6 Cells

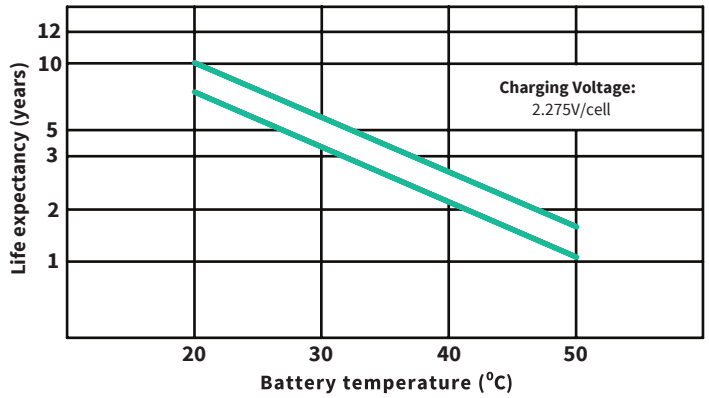
Charge characteristics



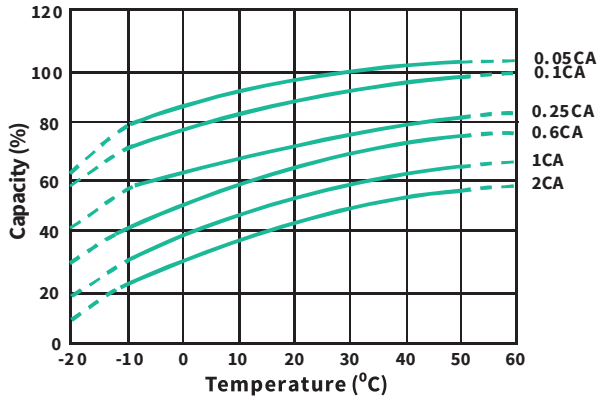
Discharge characteristics



Life expectancy in relation to temperature



Capacity in relation to temperature



Models available

Model	Voltage	Capacity (Ah)	Dimensions (mm)	Weight (kg)
CPW 22-12	12	4.0	140x39x100	1.35
CPW 30-12	12	5.0	90x70x106	1.80
CPW 35-12	12	7.0	151x65x98	2.20
CPW 35-12L	12	7.0	151x65x98	2.20
CPW 50-12	12	8.5	151x65x100	2.75
CPW 80-12	12	13	151x98x98	4.20
CPW 110-12	12	21	181x76x166	6.50
CPW 140-12	12	28	165x125x175	9.60
CPW 160-12	12	33	195x129x168	11.25
CPW 200-12	12	40	197x165x171	14.30
CPW 270-12	12	55	228x139x207	17.80
CPW 390-12	12	80	261x173x207	26.00
CPW 440-12	12	88	261x173x207	26.40
CPW 530-12	12	110	330x173x218	34.30
CPW 650-12	12	135	344x173x277	41.10
CPW 750-12	12	155	344x173x277	45.50

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 are able to assemble a high-quality and reliable battery system.

The sealed, maintenance-free GEL battery type has a long operational lifetime. When used correctly, the technology offers dependable, lasting service. Additionally, GEL 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.