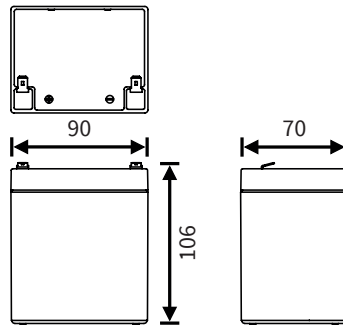


CPW 30-12

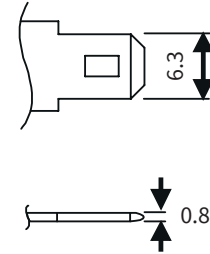
Long life High Rate AGM battery (8-10 years)



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: 5.32 Ah
	10Hr: 5.08 Ah
Nominal power (1.75V/c, 25°C)	10Min: 27.65 W/cell
Internal resistance	≤27mΩ (fully charged)
Maximum charge current	1.50 A
Maximum discharge current	75 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	90 mm
Dimensions Width	70 mm
Dimensions Height	106 mm
Approximate Weight	1.80 kg
Packing	8 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	20,13	13,51	9,65	6,14	3,38	1,30	0,899	0,502	0,263
1.75V/cell	22,65	14,56	10,18	6,26	3,42	1,33	0,912	0,508	0,266
1.70V/cell	24,50	15,08	10,49	6,39	3,45	1,34	0,917	0,512	0,268
1.67V/cell	25,63	15,51	10,73	6,42	3,46	1,35	0,919	0,513	0,269
1.65V/cell	25,89	15,63	10,81	6,45	3,47	1,35	0,921	0,514	0,269

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

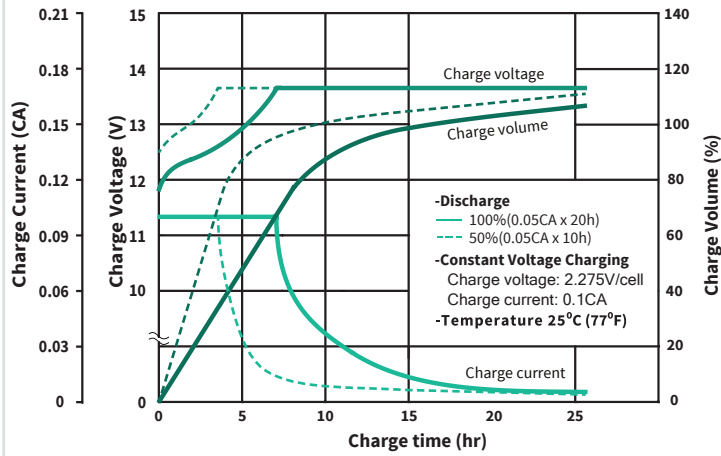
F.V/TIME	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V/cell	37,58	25,67	18,58	12,07	6,750	2,608	1,798	1,005	0,526
1.75V/cell	42,28	27,66	19,61	12,31	6,833	2,660	1,825	1,016	0,532
1.70V/cell	44,92	28,65	20,22	12,57	6,900	2,684	1,835	1,025	0,537
1.67V/cell	46,99	29,46	20,67	12,62	6,930	2,698	1,839	1,027	0,538
1.65V/cell	47,46	29,70	20,83	12,69	6,940	2,703	1,841	1,028	0,538

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

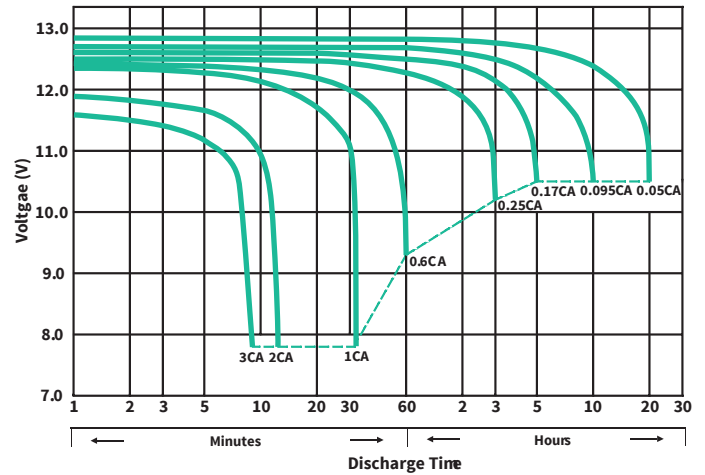
F.V/TIME	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.75V/cell	22.65 A	14.56 A	10.18 A	6.26 A	3.42 A	1.33 A	0.912 A	0.508 A	0.266 A
1.75V/cell	42.28 W	27.66 W	19.61 W	12.31 W	6.833 W	2.660 W	1.825 W	1.016 W	0.532 W

*: Battery consists of 6 Cells

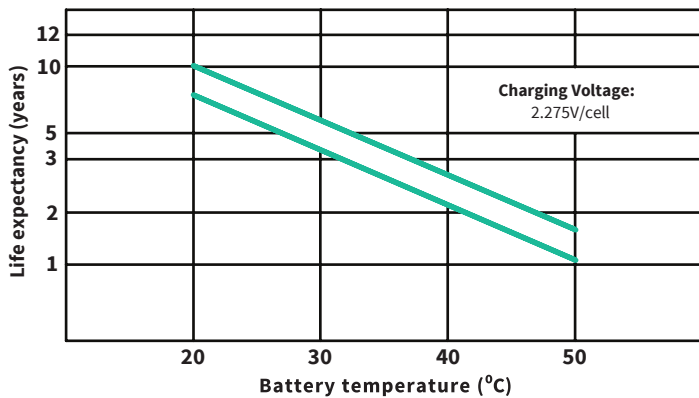
Charge characteristics



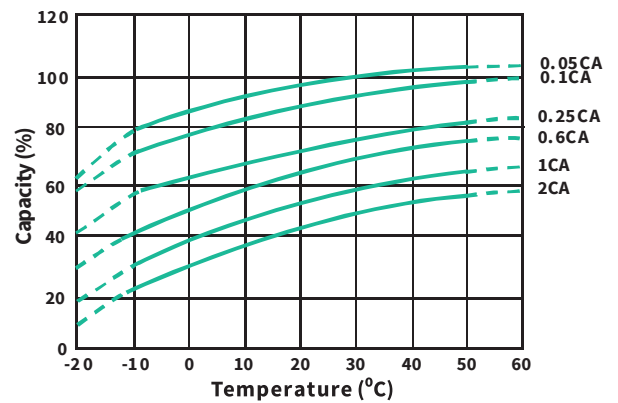
Discharge characteristics



Life expectancy in relation to temperature



Capacity in relation to temperature



Models available

Model	Voltage	Capacity (Ah)	Dimensions (mm)	Weight (kg)
CPW 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.

