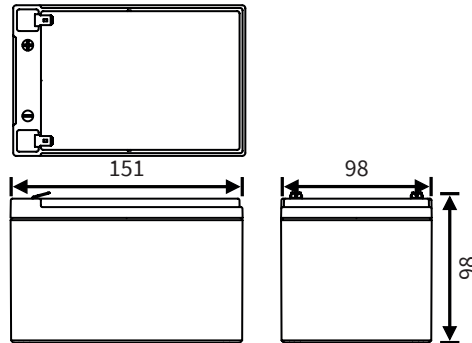


CPW 80-12

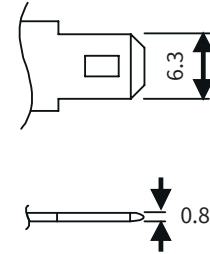
Long life High Rate AGM battery (8-10 years)



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: 13.7 Ah 10Hr: 13.1 Ah
Nominal power (1.75V/c, 25°C)	10Min: 75.50 W/cell
Internal resistance	≤12mΩ (fully charged)
Maximum charge current	3.9 A
Maximum discharge current	180 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	151 mm
Dimensions Width	98 mm
Dimensions Height	98 mm
Approximate Weight	4.20 kg
Packing	4 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	2 Hr	5 Hr	10 Hr	20 Hr
1.80V/cell	54,91	36,84	26,31	16,72	9,192	5,067	2,373	1,293	0,677
1.75V/cell	61,76	39,70	27,75	17,06	9,306	5,133	2,408	1,307	0,684
1.70V/cell	66,82	41,12	28,62	17,42	9,408	5,167	2,421	1,319	0,690
1.67V/cell	69,89	42,30	29,27	17,43	9,435	5,183	2,426	1,319	0,691
1.65V/cell	70,58	42,64	29,49	17,54	9,450	5,191	2,430	1,320	0,691

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

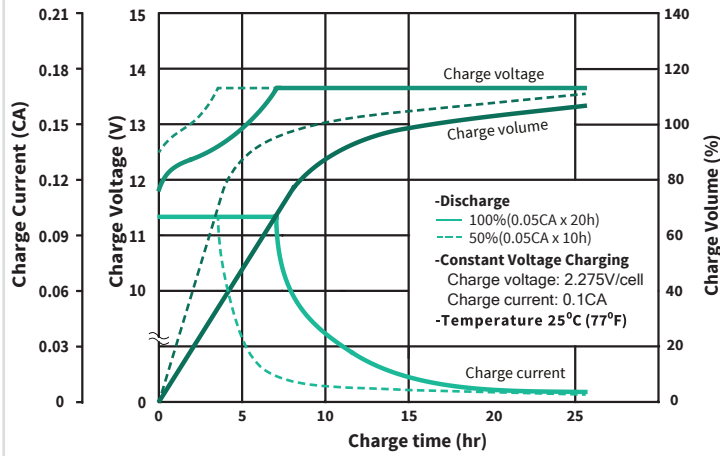
F.V/TIME	5 Min	10 Min	15 Min	30 Min	1 Hr	2 Hr	5 Hr	10 Hr	20 Hr
1.80V/cell	102,50	70,00	50,67	32,88	18,38	10,13	N/A	2,585	1,353
1.75V/cell	115,33	75,50	53,50	33,55	18,62	10,27	N/A	2,613	1,368
1.70V/cell	122,50	78,17	55,17	34,25	18,82	10,33	N/A	2,637	1,380
1.67V/cell	128,17	80,33	56,33	34,28	18,87	10,37	N/A	2,638	1,382
1.65V/cell	129,33	81,00	56,83	34,48	18,90	10,38	N/A	2,640	1,382

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

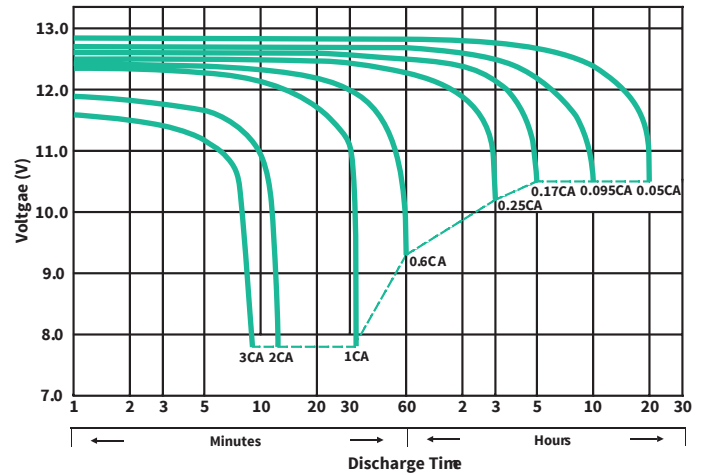
F.V/TIME	5 Min	10 Min	15 Min	20 Min	30 Min	1 Hr	2 Hr	5 Hr	10 Hr
1.75V/cell	61.76 A	39.70 A	27.75 A	17.06 A	9.31 A	5.13 A	2.41 A	1.31 A	0.68 A
1.75V/cell	115.33 W	75.50 W	53.50 W	33.55 W	18.62 W	10.27 W	N/A	2.613 W	1.368 W

*: Battery consists of 6 Cells

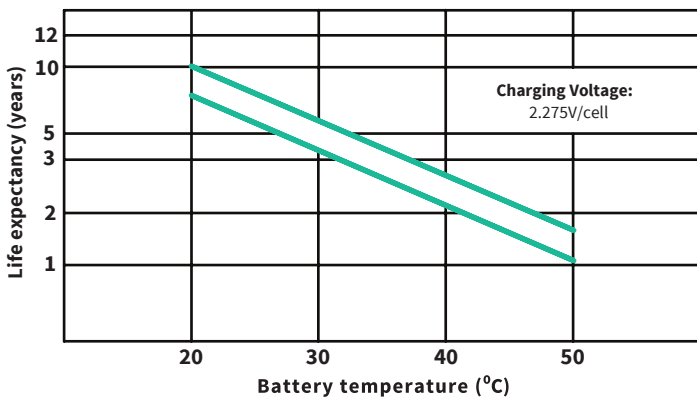
Charge characteristics



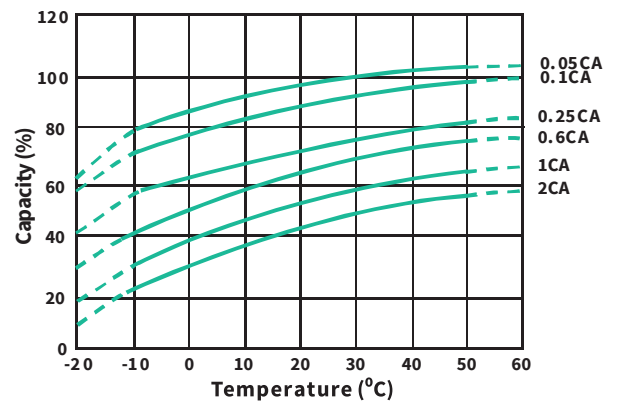
Discharge characteristics



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.

