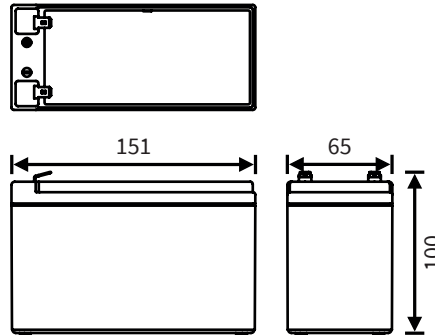


CPW 50-12

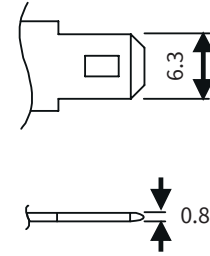
Long life High Rate AGM battery (8-10 years)



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: 8.42 Ah 10Hr: 8.04 Ah
Nominal power (1.75V/c, 25°C)	10Min: 45.26 W/cell
Internal resistance	≤15mΩ (fully charged)
Maximum charge current	2.4 A
Maximum discharge current	120 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	65 mm
Dimensions Height	100 mm
Approximate Weight	2.75 kg
Packing	6 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	32,95	22,11	15,79	10,03	5,52	2,07	1,424	0,796	0,416
1.75V/cell	37,73	23,82	16,66	10,24	5,59	2,11	1,445	0,804	0,421
1.70V/cell	40,09	24,68	17,17	10,45	5,64	2,13	1,453	0,812	0,425
1.67V/cell	41,93	25,38	17,56	10,50	5,67	2,14	1,456	0,813	0,426
1.65V/cell	42,35	25,58	17,69	10,56	5,68	2,14	1,458	0,814	0,426

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

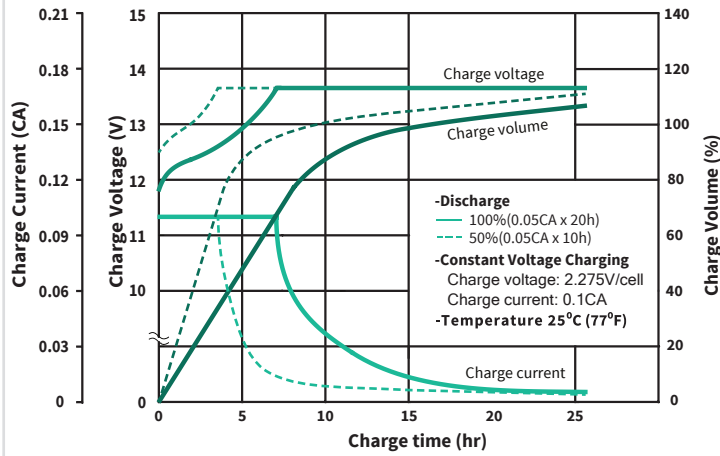
F.V/TIME	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V/cell	61,50	42,00	30,42	19,73	11,03	4,129	2,847	1,591	0,833
1.75V/cell	69,18	45,26	32,09	20,13	11,17	4,212	2,890	1,608	0,842
1.70V/cell	73,50	46,88	33,08	20,55	11,28	4,250	2,906	1,623	0,850
1.67V/cell	76,88	48,22	33,83	20,65	11,34	4,272	2,911	1,626	0,851
1.65V/cell	77,64	48,60	34,08	20,77	11,36	4,280	2,916	1,628	0,852

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

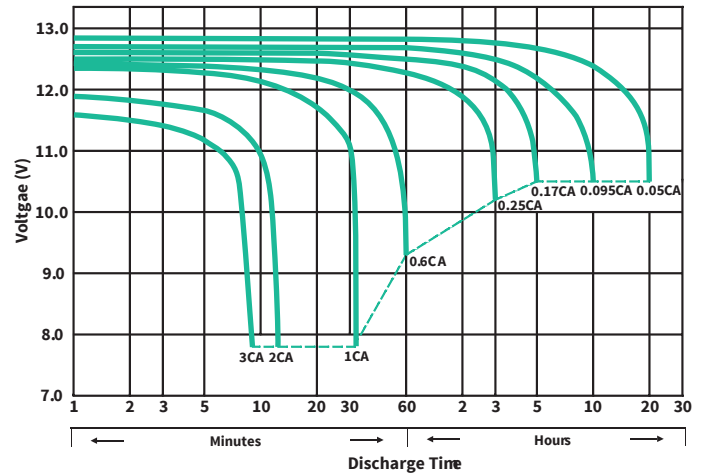
F.V/TIME	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.75V/cell	37.73 A	23.82 A	16.66 A	10.24 A	5.59 A	2.106 A	1.445 A	0.804 A	0.421 A
1.75V/cell	69.18 W	45.26 W	32.09 W	20.13 W	11.17 W	4.212 W	2.890 W	1.608 W	0.842 W

*: Battery consists of 6 Cells

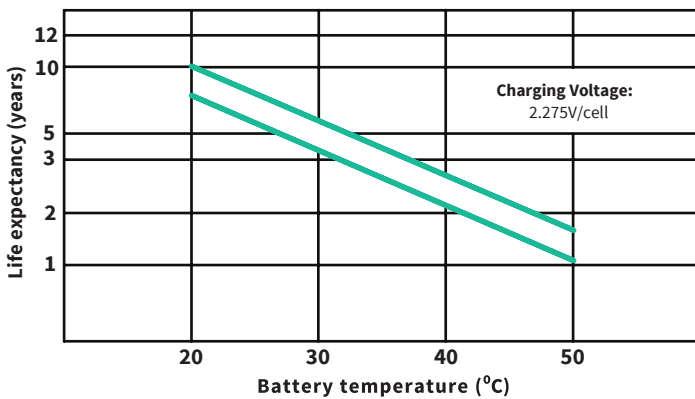
Charge characteristics



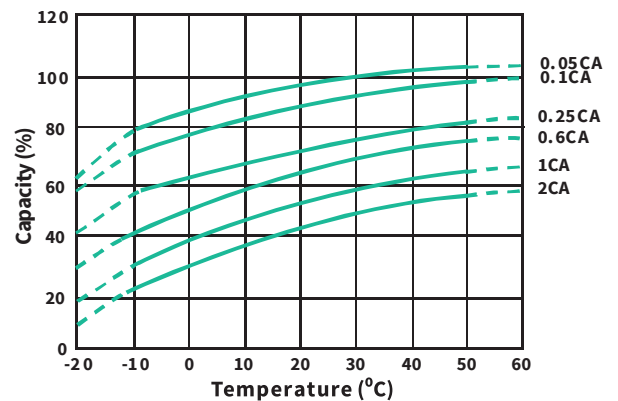
Discharge characteristics



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.

