

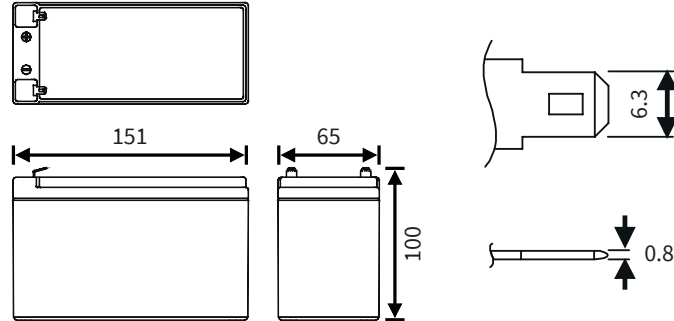
CPW 35-12L

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: 7.00 Ah 10Hr: 6.65 Ah
Nominal power (1.75V/c, 25°C)	10Min: 33.67 W/cell
Internal resistance	≤25mΩ (fully charged)
Maximum charge current	2.1 A
Maximum discharge current	105 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	2.20 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	22,8	16,4	13,0	7,53	4,28	1,70	1,172	0,655	0,345
1.75V/cell	26,9	17,8	13,6	7,81	4,41	1,73	1,190	0,665	0,350
1.70V/cell	28,6	18,4	14,0	7,99	4,49	1,75	1,196	0,668	0,352
1.65V/cell	29,8	18,8	14,3	8,11	4,54	1,76	1,201	0,670	0,353
1.60V/cell	30,8	19,2	14,6	8,19	4,59	1,77	1,204	0,670	0,353

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

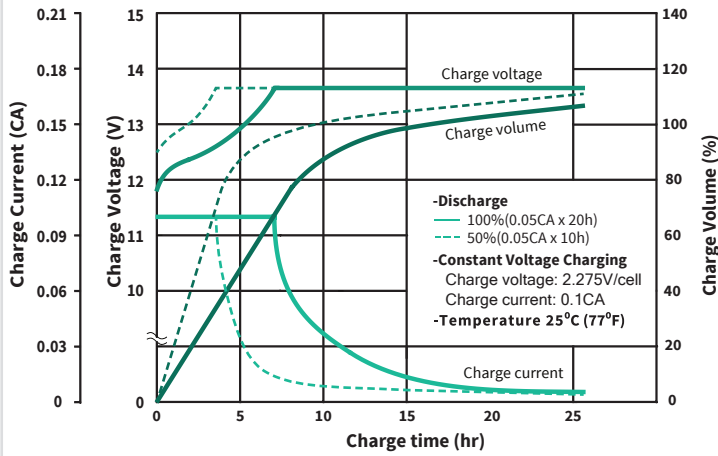
F.V/TIME	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V/cell	42,17	31,00	24,83	14,80	8,48	3,40	2,35	1,31	0,690
1.75V/cell	48,83	33,67	26,00	15,37	8,75	3,47	2,38	1,33	0,700
1.70V/cell	51,83	34,83	26,83	15,72	8,90	3,50	2,39	1,34	0,703
1.65V/cell	54,17	35,67	27,50	15,93	9,02	3,53	2,40	1,34	0,707
1.60V/cell	56,00	36,33	28,00	16,10	9,10	3,55	2,41	1,34	0,707

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

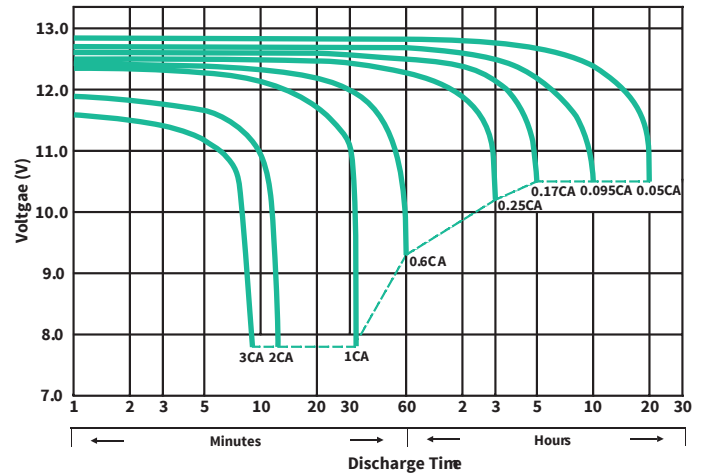
F.V/TIME	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.75V/cell	26.9 A	17.8 A	13.6 A	7.81 A	4.41 A	1.73 A	1.190 A	0.665 A	0.350 A
1.75V/cell	48.83 W	33.67 W	26.00 W	15.37 W	8.75 W	3.47 W	2.38 W	1.33 W	0.70 W

*: Battery consists of 6 Cells

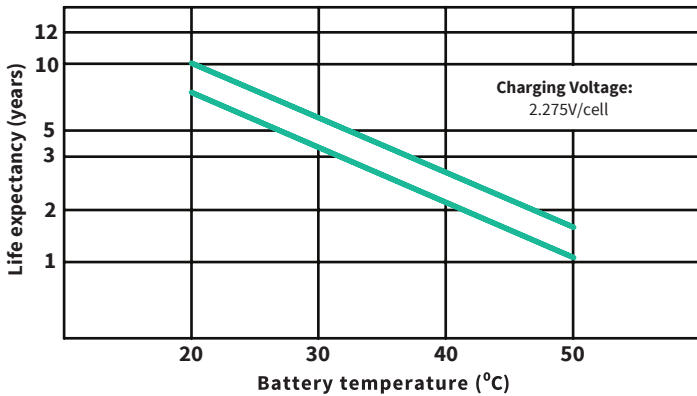
Charge characteristics



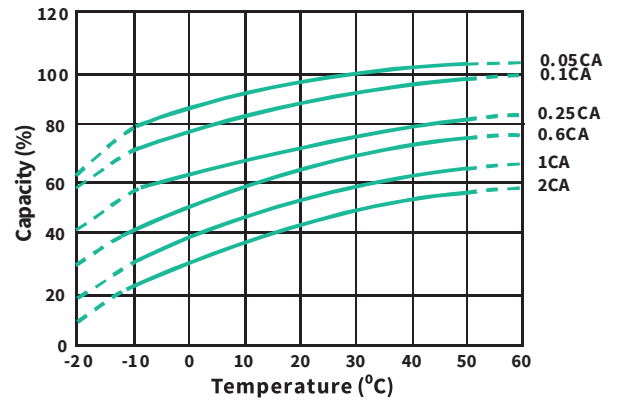
Discharge characteristics



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.

