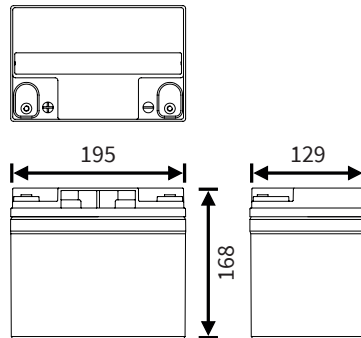


## CPW 160-12

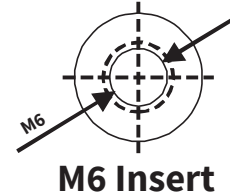
Long life High Rate AGM battery (10-12 years)



### 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: 33.0 Ah 10Hr: 31.3 Ah
Nominal power (1.75V/c, 25°C)	10Min: 158.67 W/cell
Internal resistance	≤9mΩ (fully charged)
Maximum charge current	9.9 A
Maximum discharge current	495 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)	10-12 years in float (EUROBAT)
Standard terminal	Insert M6 (5.5 Nm torque)
Housing material	ABS (UL94-HB)
Dimensions Length	195 mm
Dimensions Width	129 mm
Dimensions Height	168 mm
Approximate Weight	11.25 kg
Packing	1 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	107.5	77.3	61.2	35.5	20.18	8.02	5.53	3.09	1.63
1.75V/cell	126.7	83.8	64.0	36.8	20.79	8.18	5.61	3.13	1.65
1.70V/cell	134.6	86.8	66.0	37.7	21.16	8.25	5.64	3.15	1.66
1.65V/cell	140.7	88.9	67.5	38.2	21.42	8.31	5.66	3.16	1.66
1.60V/cell	145.3	90.6	68.9	38.6	21.63	8.36	5.68	3.16	1.66

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

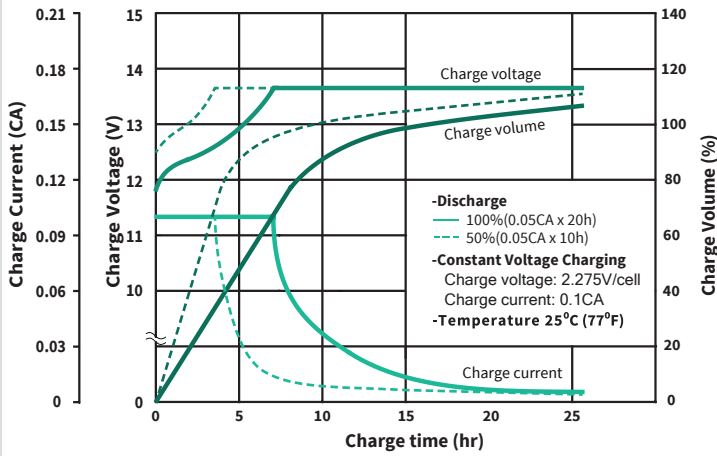
F.V/TIME	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V/cell	198,83	146,33	117,33	69,83	40,03	16,03	11,05	6,177	3,250
1.75V/cell	230,17	158,67	122,67	72,50	41,23	16,35	11,22	6,270	3,300
1.70V/cell	244,50	164,33	126,50	74,17	41,97	16,50	11,28	6,302	3,317
1.65V/cell	255,50	168,17	129,33	75,17	42,48	16,62	11,32	6,320	3,327
1.60V/cell	264,00	171,67	132,00	75,83	42,90	16,72	11,35	6,320	3,327

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

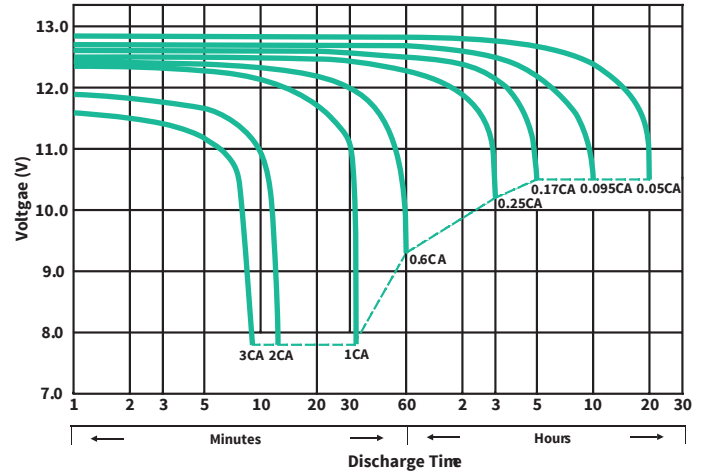
F.V/TIME	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.75V/cell	126.7 A	83.8 A	64.0 A	36.8 A	20.79 A	8.18 A	5.61 A	3.13 A	1.65 A
1.75V/cell	230.17 W	158.67 W	122.67 W	72.50 W	41.23 W	16.35 W	11.22 W	6.270 W	3.300 W

\*: Battery consists of 6 Cells

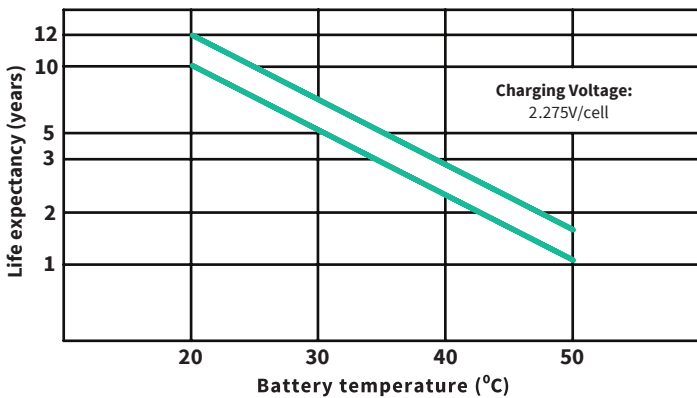
## Charge characteristics



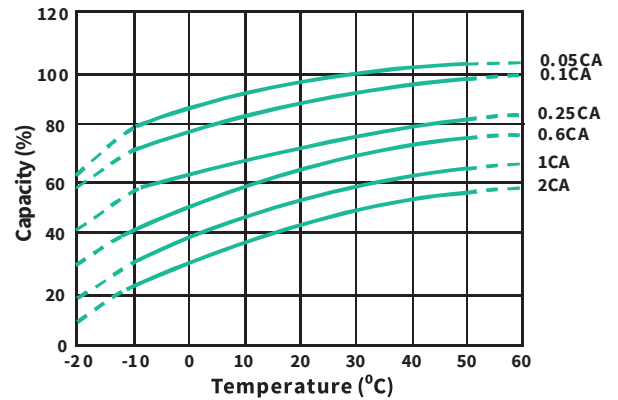
## Discharge characteristics



## 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.

