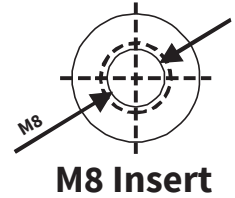
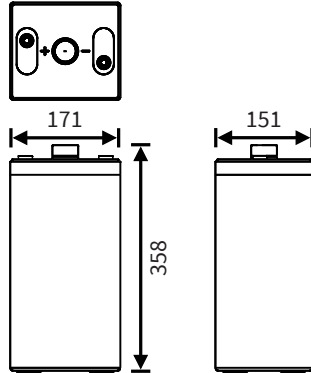


## CPR 300-2

## Railway AGM battery (15 year design life)

### Dimensions (mm)

### Standard terminal



No image available at this time

### Typical applications

- Railway infrastructure
- Highway infrastructure
- Vibrating applications
- UPS systems
- Data centers
- Security systems
- Air traffic power stations
- Medical equipment
- Military bases

### Features

- Service life up to 15 years
- Highly vibration and shock resistant
- Valve Regulated Lead Acid (VRLA)
- Absorbent Glass Mat Technology (AGM)
- Maintenance free
- Low self-discharge rate
- Classified as non-spillable under IATA, ADR and IMDG regulations
- 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	2 V
Nominal capacity (1.75V/c, 25°C)	20Hr: 334.0 Ah
	10Hr: 317.0 Ah
	5Hr: 270.0 Ah
Internal resistance	≤1.0mΩ (fully charged)
Maximum charge current	75 A
Maximum discharge current	1350 A (max. 5 sec)
Float use / cyclic use	2.25 - 2.30V / 2.40 - 2.50V
Self discharge	Lower than 3% per month
Operating temperature range	-20°C ~ 50°C
Designlife (20°C)	15 years in float
Standard terminal	Insert M8 (10 Nm torque)
Housing material	Flame retardant ABS (UL 94-V0)
Dimensions Length	171 mm
Dimensions Width	151 mm
Dimensions Height	358 mm
Approximate Weight	21.2 kg
Packing	1 pcs / box

### Constant Current Discharge (Ampères) per Cell\* at 25 °C (77°F)

F.V/TIME	30 Min	60 Min	2 Hr	3 Hr	4 Hr	5 Hr	8 Hr	10 Hr	20 Hr
1.80V/cell	234.0	159.0	99.0	75.0	61.2	51.0	36.3	30.0	16.05
1.75V/cell	258.5	169.5	105.5	79.4	64.2	54.0	38.0	31.7	16.70
1.70V/cell	286.5	181.8	110.0	82.8	65.9	55.8	39.3	32.9	17.18
1.65V/cell	306.8	189.2	113.0	85.5	67.5	57.3	40.5	33.5	17.40
1.60V/cell	322.5	194.0	116.3	87.4	68.7	58.2	41.3	33.8	17.45

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

F.V/TIME	30 Min	60 Min	2 Hr	3 Hr	4 Hr	5 Hr	8 Hr	10 Hr	20 Hr
1.80V/cell	436.5	297.0	187.5	143.3	115.8	98.7	71.4	59.1	31.60
1.75V/cell	478.2	315.0	198.8	150.9	121.3	103.2	73.7	61.7	32.54
1.70V/cell	525.0	336.0	205.5	156.0	123.8	105.8	75.2	63.8	33.08
1.65V/cell	564.0	346.5	208.5	159.2	126.3	107.3	76.5	64.7	33.35
1.60V/cell	575.3	349.5	211.5	160.7	127.8	108.8	77.4	65.3	33.45

\*: Battery consists of 1 Cell

### Certifications





**ISO9001** Flame retardant casing **TS-1352**

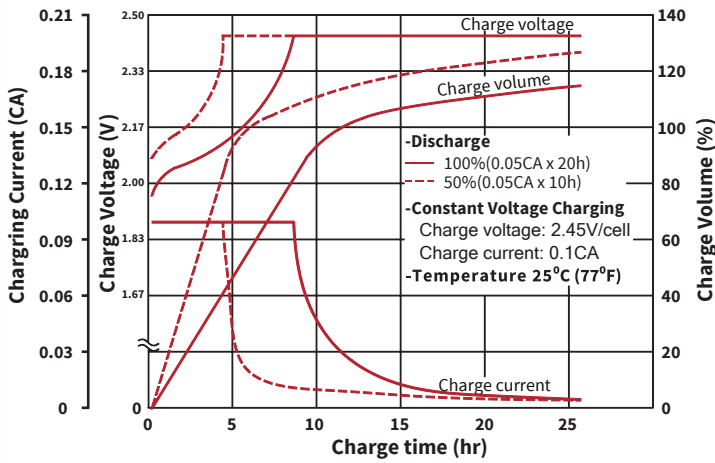
- IEC60896-21/22
- JIS C 8704-2
- GB/T19638.2
- YD/T799



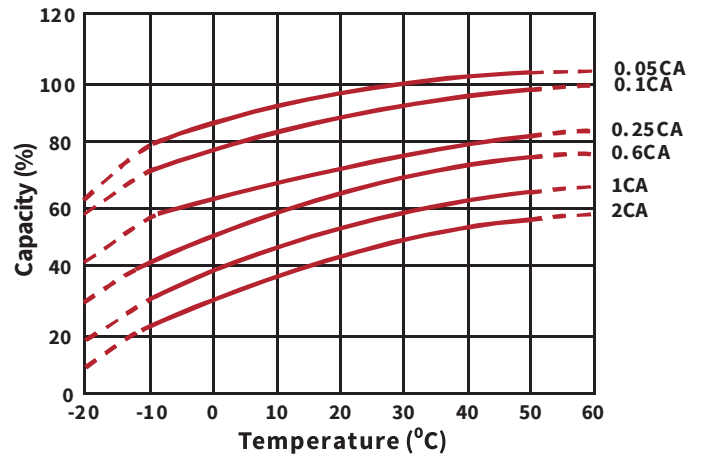


**ProRail**  
 Certified product  
 Certificate no. 0941/2016/CoC/RC104122-02

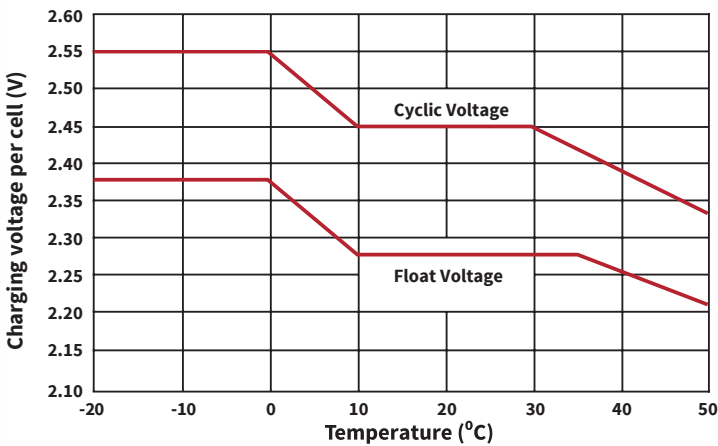
## Charge characteristics



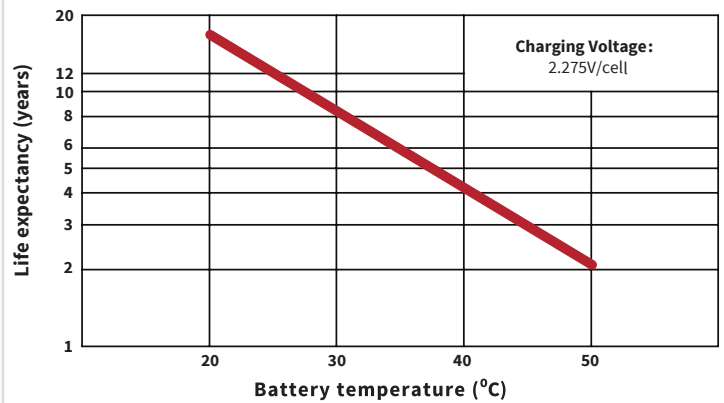
## Capacity in relation to temperature



## Charge voltage in relation to temperature



## Life expectancy in relation to temperature



## Models available

Model	Voltage	Capacity (Ah)	Dimensions (mm)	Weight (kg)
CPR 3.3-12	12	3.3	134x67x66	1.35
CPR 7-12	12	7.0	151x65x98	2.60
CPR 7.5-12	12	7.5	151x65x100	2.70
CPR 12-12	12	12	151x98x98	4.10
CPR 20-12	12	20	181x76x166	6.40
CPR 28-12	12	28	166x175x125	9.70
CPR 33-12F	12	33	195x129x179	11.50
CPR 40-12	12	40	197x165x171	14.60
CPR 65-12	12	65	350x166x174	22.70
CPR 80-12	12	80	260x168x215	26.80
CPR 95-12	12	95	329x172x218	33.20
CPR 110-12	12	110	407x173x239	40.00
CPR 150-12	12	150	483x171x240	51.80
CPR 210-12	12	210	522x240x220	73.20
CPR 170-6	6	170	260x171x244	29.20
CPR 200-2	2	200	173x111x357	16.00
CPR 300-2	2	300	171x151x358	21.20
CPR 400-2	2	400	211x176x357	31.50
CPR 500-2	2	500	241x172x359	36.00
CPR 600-2	2	600	301x175x359	46.00
CPR 800-2	2	800	410x175x358	63.00
CPR 1000-2	2	1000	475x175x356	72.00
CPR 1500-2	2	1500	400x350x369	128.00
CPR 2000-2	2	2000	490x350x371	153.00
CPR 3000-2	2	3000	710x353x369	215.00

## 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're able to assemble a high-quality and reliable battery system.

The sealed, maintenance-free AGM lead battery type has a long operational lifetime. When used correctly, the Absorbent Glass Mat (AGM) technology offers dependable, lasting service. Additionally, AGM 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.

