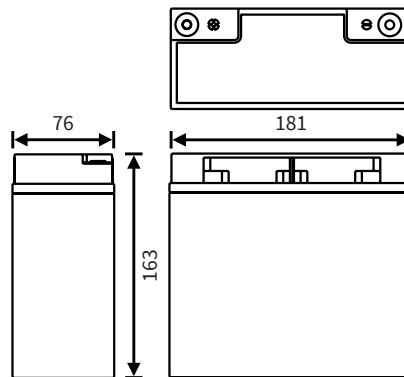


## CPL 18-12

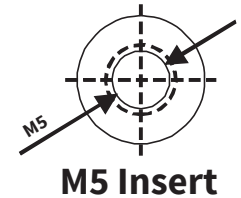
Long life AGM battery (10-12 year design life)



Dimensions (mm)



Standard terminal



### Typical applications

- UPS systems
- Data centers
- Telecom systems
- Security systems
- Emergency lighting
- Air traffic power stations
- Medical equipment
- Solar energy

### Features

- Valve Regulated Lead Acid (VRLA)
- Maintenance free
- Absorbent Glassmat Technology (AGM)
- Built to comply with DIN 43534, IEC8962, BS6290-pt.4
- Low self discharge
- 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	12 V
Nominal capacity (1.70V/c, 25°C)	20Hr: 18.2 Ah 10Hr: 17.1 Ah
Nominal power (1.65V/c, 25°C)	10Min: 88.1 W/cell
Internal resistance	≤9mΩ (fully charged)
Maximum charge current	3.6 A
Maximum discharge current	270 A (max. 5 sec)
Float use / cyclic use	13.6V - 13.8V / 14.1V - 14.4V
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 M5 (6 Nm Torque)
Housing material	ABS (UL94-HB)
Dimensions Length	181 mm
Dimensions Width	76 mm
Dimensions Height	167 mm
Approximate Weight	5.45 kg
Packing	2 pcs / box

### Constant Current Discharge (Amps) at 25 °C (77°F)

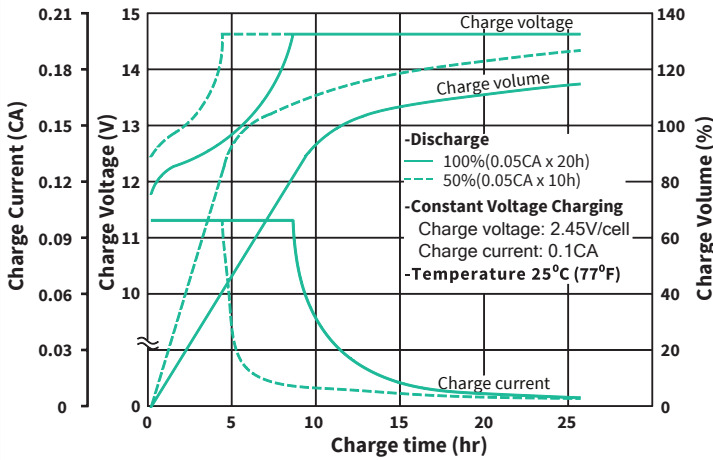
F.V/TIME	5 Min	10 Min	15 Min	20 Min	25 Min	30 Min	35 Min	40 Min	45 Min	60 Min	90 Min	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	7 Hr	8 Hr	10 Hr	12 Hr	20 Hr
1.85V/cell	56.2	38.0	28.9	23.9	20.7	18.2	16.1	14.5	13.1	10.2	7.32	5.85	4.25	3.34	2.75	2.34	2.03	1.80	1.47	1.24	0.78
1.80V/cell	60.0	40.6	30.9	25.5	22.1	19.4	17.2	15.4	13.9	10.9	7.82	6.25	4.54	3.56	2.94	2.50	2.17	1.92	1.57	1.32	0.83
1.75V/cell	63.9	43.2	32.9	27.1	23.5	20.6	18.3	16.4	14.8	11.6	8.32	6.64	4.83	3.79	3.12	2.65	2.31	2.04	1.67	1.41	0.89
1.70V/cell	65.3	44.1	33.6	27.7	24.0	21.1	18.7	16.8	15.2	11.9	8.51	6.79	4.93	3.87	3.19	2.71	2.36	2.09	1.71	1.44	0.91
1.67V/cell	65.9	44.5	33.9	27.9	24.2	21.3	18.9	16.9	15.3	12.0	8.58	6.85	4.98	3.91	•	•	•	•	•	•	•
1.65V/cell	66.1	44.7	34.0	28.1	24.3	21.4	19.0	17.0	15.4	12.0	8.61	6.88	5.00	3.92	•	•	•	•	•	•	•
1.60V/cell	66.8	45.1	34.4	28.3	24.5	21.6	19.2	17.2	15.5	12.1	8.70	6.94	5.04	3.96	•	•	•	•	•	•	•

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

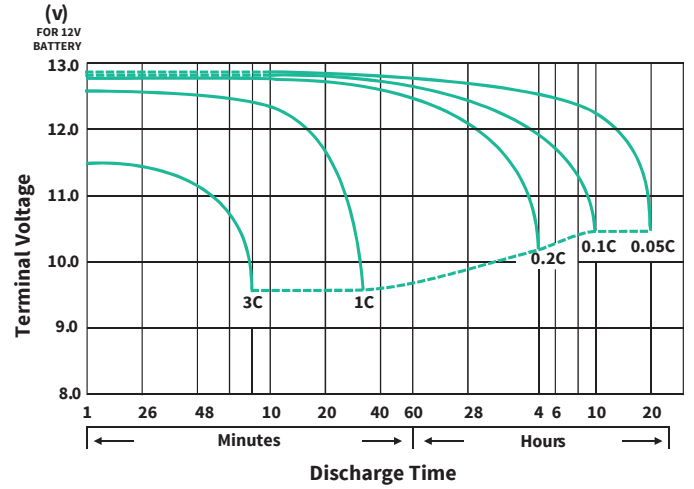
F.V/TIME	5 Min	10 Min	15 Min	20 Min	25 Min	30 Min	35 Min	40 Min	45 Min	60 Min	90 Min	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	7 Hr	8 Hr	10 Hr	12 Hr	20 Hr
1.85V/cell	119	74.9	57.3	46.8	39.8	35.0	31.0	27.9	25.4	20.2	14.4	11.3	8.16	6.60	5.56	4.83	4.26	3.78	3.09	2.61	1.67
1.80V/cell	127	80.0	61.2	49.9	42.5	37.4	33.1	29.8	27.2	21.6	15.4	12.1	8.72	7.05	5.94	5.16	4.55	4.04	3.30	2.79	1.78
1.75V/cell	135	85.1	65.1	53.1	45.3	39.8	35.2	31.7	28.9	22.9	16.3	12.8	9.28	7.50	6.32	5.49	4.84	4.29	3.51	2.97	1.90
1.70V/cell	138	87.0	66.6	54.3	46.3	40.7	36.0	32.4	29.5	23.4	16.7	13.1	9.48	7.67	6.46	5.61	4.94	4.39	3.59	3.04	1.94
1.67V/cell	139	87.7	67.1	54.8	46.7	41.0	36.3	32.7	29.8	23.7	16.8	13.2	9.57	7.73	•	•	•	•	•	•	•
1.65V/cell	140	88.1	67.4	55.0	46.8	41.2	36.5	32.8	29.9	23.7	16.9	13.3	9.60	7.76	•	•	•	•	•	•	•
1.60V/cell	141	88.9	68.1	55.5	47.3	41.6	36.8	33.1	30.2	24.0	17.1	13.4	9.70	7.84	•	•	•	•	•	•	•

\*: Battery consists of 6 cells

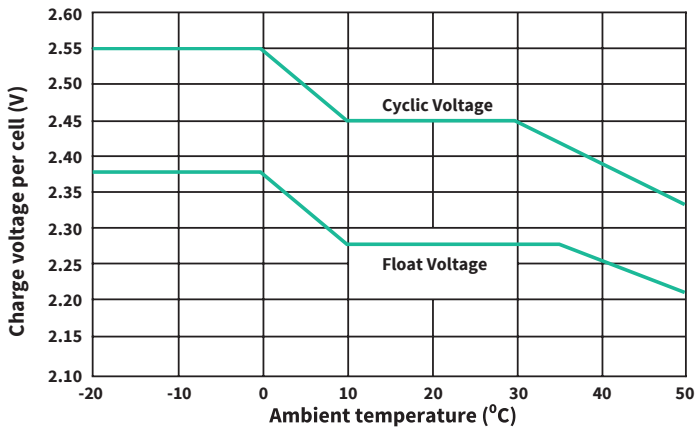
## Charge characteristics



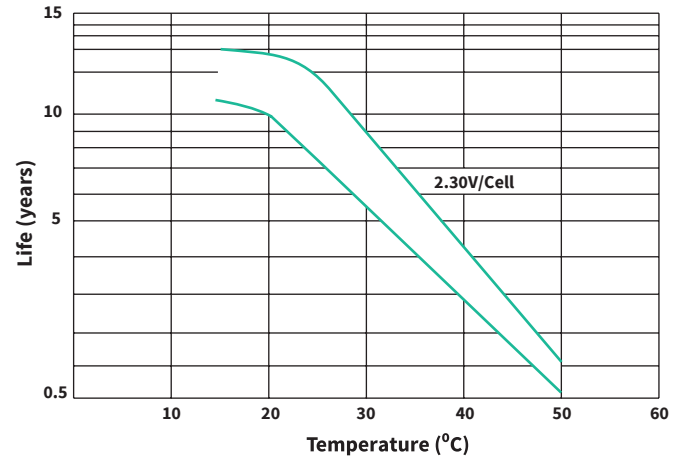
## Discharge characteristics



## Charge voltage in relation to temperature



## Service life in relation to temperature



## Models available

Model	Voltage	Capacity (Ah)	Dimensions (mm)	Weight (kg)
CPL 9-12L	12	9	151x65x102	2.70
CPL 12-12	12	12	151x98x101	3.70
CPL 18-12	12	18	181x76x167	5.45
CPL 28-12I	12	28	168x178x124	8.40
CPL 28-12IA	12	28	164x124x175	9.00
CPL 33-12	12	33	195x130x160	10.70
CPL 45-12I	12	45	198x167x160	13.80
CPL 55-12I	12	55	229x138x213	17.30
CPL 65-12IJ	12	65	350x167x179	23.40
CPL 80-12	12	80	260x170x207	24.20
CPL 100-12	12	100	307x168x214	29.50
CPL 135-12	12	135	342x172x285	41.40
CPL 150-12	12	150	485x172x240	47.00
CPL 250-12	12	250	521x269x220	78.00

## 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 are 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 Absorbed 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.

