

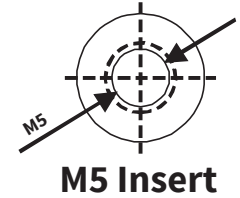
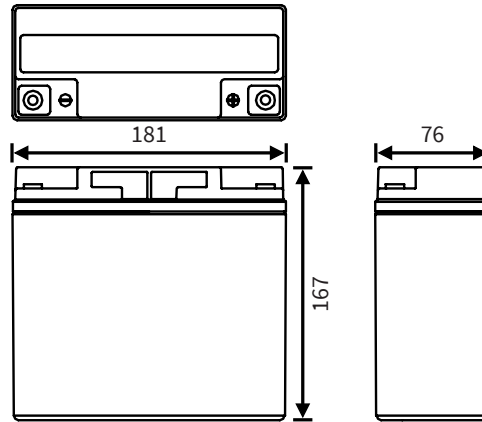
CP 18-12I

Multi purpose AGM battery



Dimensions (mm)

Standard terminal (mm)



Typical applications

- Security systems
- Measuring equipment
- Emergency lighting
- UPS systems
- Telecom systems
- Medical equipment
- Control panels
- Electronic instruments

Features

- Valve Regulated Lead Acid (VRLA)
- Absorbent Glass Mat Technology (AGM)
- High current drain grid resistant to corrosion by virtue of a lead-calcium alloy
- Maintenance free
- 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: 18.9 Ah
	5Hr: 15.6 Ah
	1Hr: 11.0 Ah
Internal resistance	≤10.5mΩ (fully charged)
Maximum charge current	5.4 A
Maximum discharge current	270 A (max. 5 sec)
Float use / cyclic use	13.5 - 13.8V / 14.4 - 15.0V
Charge temperature range	-15°C ~ 40°C
Discharge temperature range	-15°C ~ 50°C
Design life (20°C)	3-5 years (Eurobat)
VdS Certificate no.	G115074
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	5.60 kg
Packing	2 pcs / box

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

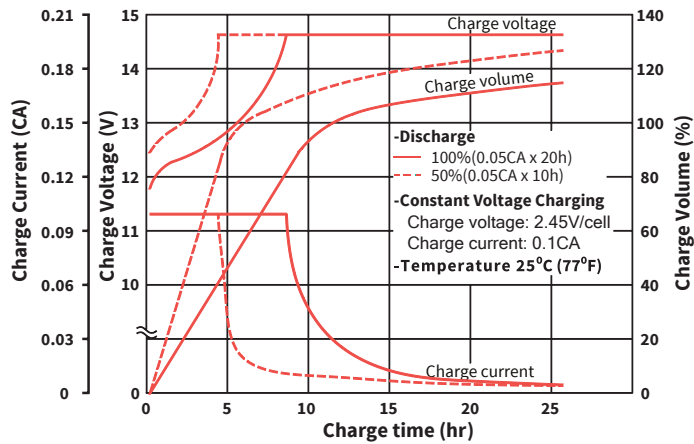
F.V/TIME	5 Min	10 Min	15 Min	30 Min	60 Min	2 Hr	5 Hr	10 Hr	20 Hr
1.80V/cell	68.3	41.8	34.6	18.7	10.3	6.23	3.02	1.77	0.914
1.75V/cell	71.9	44.3	36.3	19.8	10.7	6.39	3.07	1.80	0.931
1.70V/cell	75.1	46.5	37.7	20.7	11.0	6.53	3.11	1.82	0.946
1.65V/cell	77.8	48.4	38.8	21.4	11.3	6.64	3.14	1.84	0.959
1.60V/cell	80.2	50.1	39.7	21.9	11.5	6.72	3.16	1.85	0.962

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

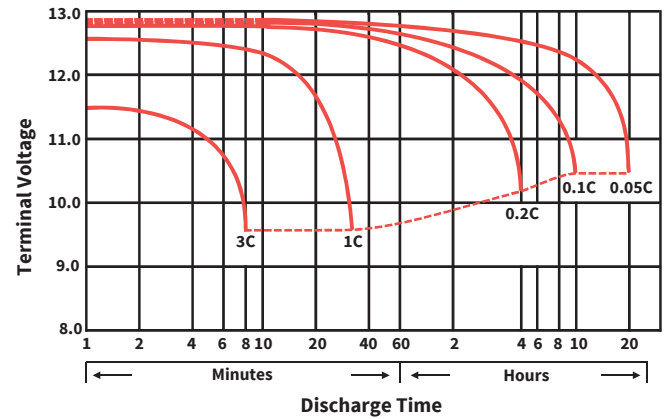
F.V/TIME	5 Min	10 Min	15 Min	30 Min	60 Min	2 Hr	5 Hr	10 Hr	20 Hr
1.80V/cell	19,33	12,85	10,75	5,850	3,300	2,067	1,008	0,587	0,305
1.75V/cell	21,33	14,08	11,57	6,283	3,450	2,117	1,028	0,600	0,313
1.70V/cell	22,50	14,85	12,08	6,567	3,550	2,183	1,045	0,612	0,320
1.65V/cell	23,17	15,28	12,37	6,717	3,633	2,217	1,058	0,620	0,325
1.60V/cell	23,50	15,48	12,52	6,800	3,700	2,250	1,068	0,625	0,327

*: Battery consists of 6 cells

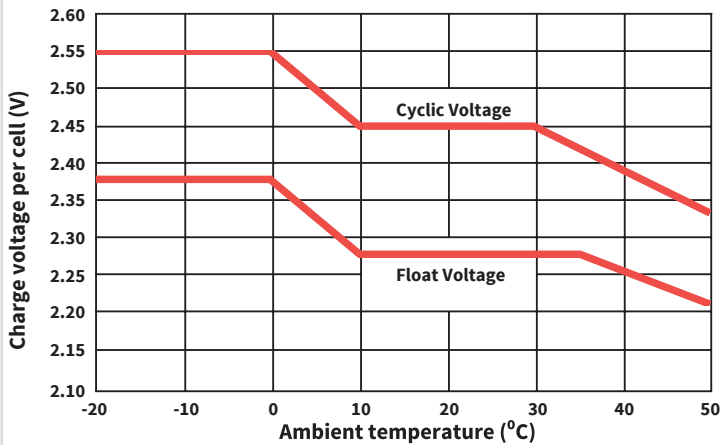
Charge characteristics



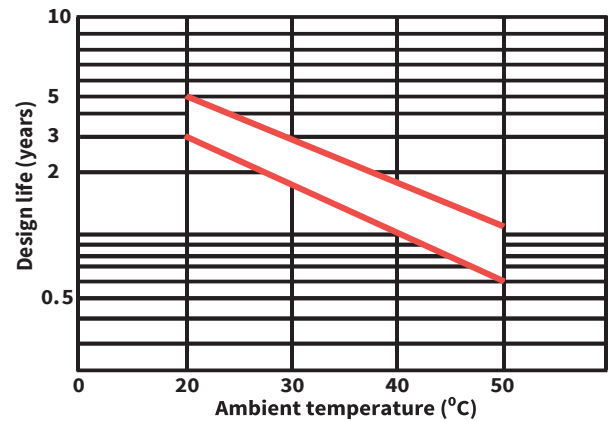
Discharge characteristics



Charge voltage in relation to temperature



Service life in relation to temperature



Models available

Model	Voltage	Capacity (Ah)	Dimensions (mm)	Weight (kg)
CP 1.2-6	6	1.2	97x24x58	0.28
CP 3.2-6	6	3.2	134x35x67	0.60
CP 3.5-6	6	3.5	194x25x56	0.60
CP 4-6	6	4.0	70x47x107	0.68
CP 7-6	6	7.0	151x34x100	1.15
CP 12-6	6	12	151x50x100	1.80
CP 0.8-12	12	0.8	96x25x62	0.40
CP 1.2-12 *	12	1.2	97x43x58	0.52
CP 2-12M	12	2.0	150x20x90	0.68
CP 2.2-12 *	12	2.2	178x34x66	1.04
CP 2.9-12	12	2.9	79x56x105	1.05
CP 3.2-12 *	12	3.2	134x67x67	1.30
CP 4.5-12	12	4.5	195x47x76	1.58
CP 7-12 *	12	7.0	151x65x102	2.20
CP 7-12L *	12	7.0	151x65x102	2.20
CP 12-12 *	12	12	151x98x98	4.02
CP 18-12I *	12	18	181x76x167	5.60
CP 20-12B	12	20	181x76x167	5.95
CP 26-12I *	12	26	166x175x125	9.30
CP 40-12I *	12	40	197x165x170	12.80
CP 65-12 *	12	65	350x167x179	20.80

*: VdS approved battery

VdS approved VRLA batteries

The VdS-approved Cellpower batteries form a special range that has been tested and qualified by the German VdS institute. The concept behind VdS recognition; ensuring tested and certified quality in the products and services being offered in the safety and security markets, is of equally advantageous for user and supplier. Safety and security systems are approved by the VdS and monitored in subsequent use to protect property and life and help to keep a insurance premiums lower.

Typical applications:

- VdS approved alarm systems
- Fire & burglar alarm systems

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.

