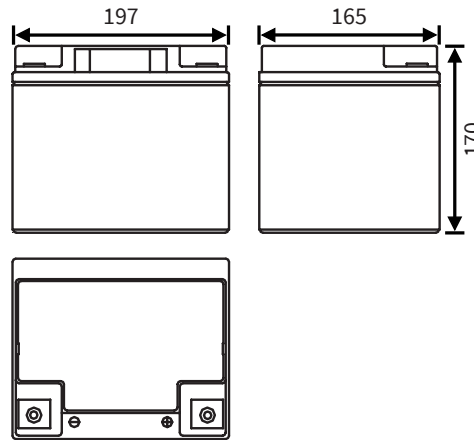


CP 40-12I

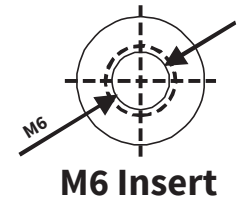
Multi purpose AGM battery



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: 42.6 Ah
	5Hr: 35.3 Ah
	1Hr: 23.8 Ah
Internal resistance	≤8.5mΩ (fully charged)
Maximum charge current	12 A
Maximum discharge current	400 A (max. 5 sec)
Float use / cyclic use	13.50 - 13.80V / 14.50 - 14.90V
Charge temperature range	-10°C ~ 50°C
Discharge temperature range	-15°C ~ 50°C
Design life (20°C)	3-5 years (Eurobat)
VdS Certificate no.	G113035
Standard terminal	Insert M6 (7 Nm torque)
Housing material	ABS (UL94-HB)
Dimensions Length	197 mm
Dimensions Width	165 mm
Dimensions Height	170 mm
Approximate Weight	12.8 kg
Packing	1 pcs / box

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

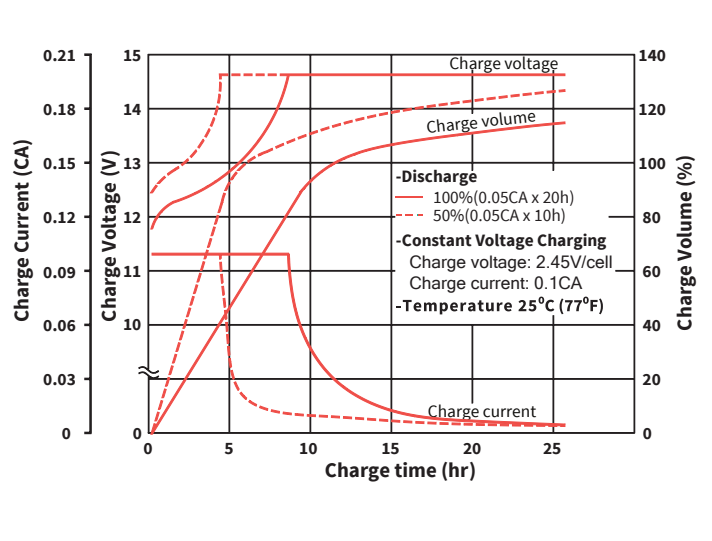
F.V/TIME	10 Min	15 Min	30 Min	60 Min	2 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V/cell	70.6	56.8	35.7	22.6	13.8	9.70	6.79	4.00	2.10
1.75V/cell	74.8	59.9	37.1	23.3	14.2	10.0	7.00	4.03	2.11
1.70V/cell	78.1	62.0	38.0	23.8	14.4	10.1	7.05	4.05	2.13
1.65V/cell	81.5	64.4	39.2	24.4	14.5	10.1	7.10	4.06	2.13
1.60V/cell	84.0	66.0	40.0	24.8	14.6	10.2	7.14	4.07	2.14

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

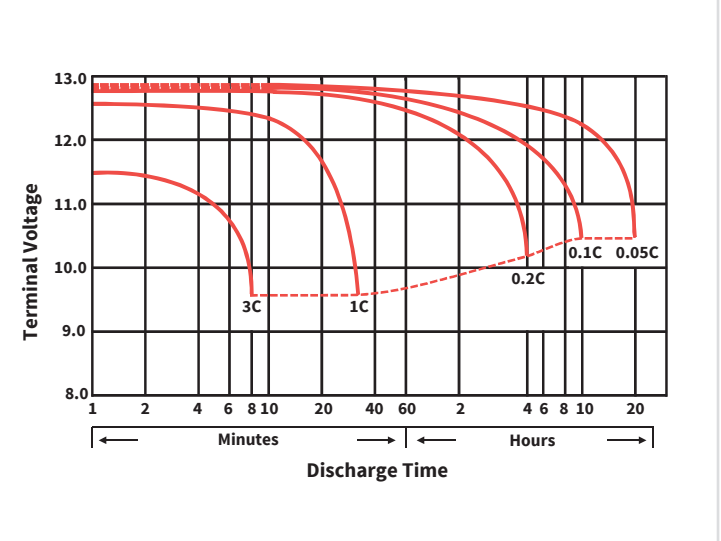
F.V/TIME	10 Min	15 Min	30 Min	60 Min	2 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V/cell	127,00	103,83	66,83	43,00	26,67	19,00	13,38	7,967	4,200
1.75V/cell	134,50	109,67	69,33	44,33	27,33	19,67	13,78	8,017	4,233
1.70V/cell	140,67	113,50	71,00	45,17	27,83	19,67	13,88	8,067	4,250
1.65V/cell	146,67	117,83	73,33	46,33	28,00	19,83	13,98	8,083	4,267
1.60V/cell	151,17	120,83	74,83	47,17	28,17	20,00	14,07	8,100	4,283

*: Battery consists of 6 cells

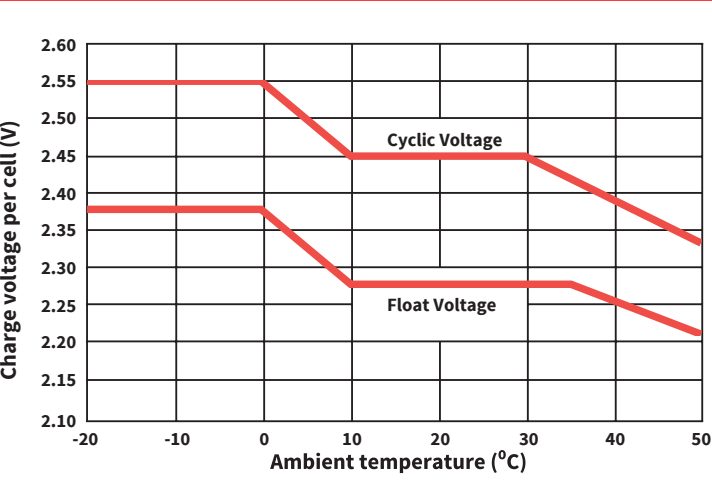
Charge characteristics



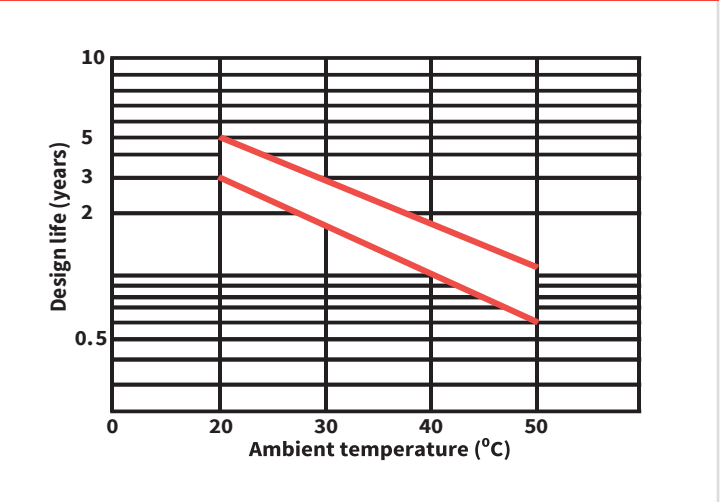
Discharge characteristics



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.

