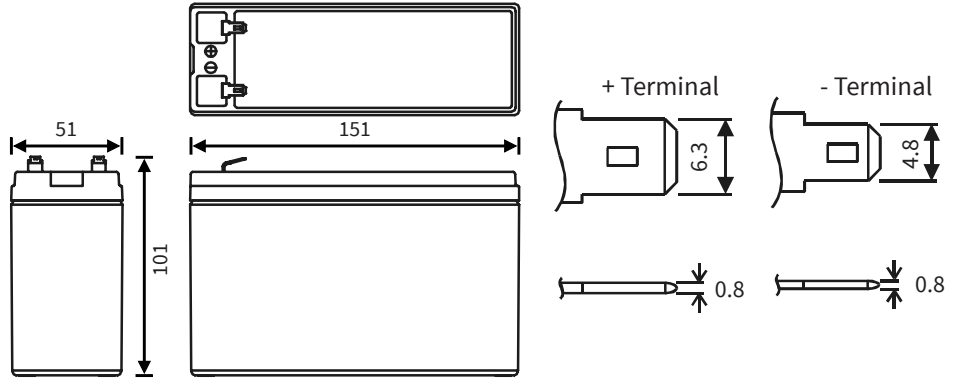
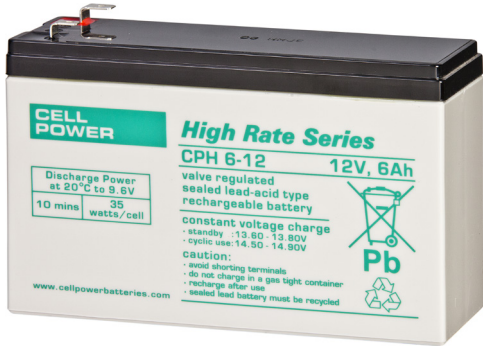


CPH 6-12

High Rate AGM battery (3-5 year design life)

Dimensions (mm)

Standard terminal (mm)



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 (1.60V/c, 25°C)	20Hr: 6.86 Ah 1Hr: 4.32 Ah
Nominal power (1.60V/c, 25°C)	10Min: 35.3 W/cell
Internal resistance	≤16mΩ (fully charged)
Maximum charge current	1.8 A
Maximum discharge current	90 A (max. 5 sec)
Float use / cyclic use	13.5 - 13.8V / 14.4 - 15.0V
Operating temperature range	-15°C ~ 50°C
Designlife (20°C)	3 - 5 years in float (Eurobat)
Standard terminal	Faston 6.3mm (T2) (+) & 4.8mm (T1) (-)
Housing material	ABS (UL94 HB)
Dimensions Length	151 mm
Dimensions Width	51 mm
Dimensions Height	101 mm
Approximate Weight	2.00 kg
Packing	5 pcs / box

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

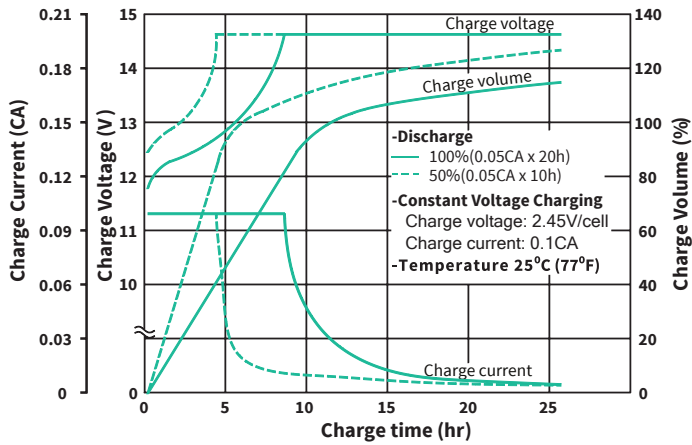
F.V/TIME	5 Min	10 Min	15 Min	30 Min	60 Min	2 Hr	5 Hr	10 Hr	20 Hr
1.80V/cell	22.6	15.7	12.2	7.19	3.85	2.01	1.032	0.612	0.327
1.75V/cell	24.9	16.8	12.9	7.46	4.00	2.12	1.071	0.619	0.332
1.70V/cell	27.0	17.7	13.4	7.69	4.13	2.21	1.097	0.626	0.337
1.65V/cell	28.6	18.4	13.7	7.90	4.24	2.29	1.12	0.631	0.341
1.60V/cell	29.8	19.0	13.9	8.07	4.32	2.34	1.13	0.636	0.343

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

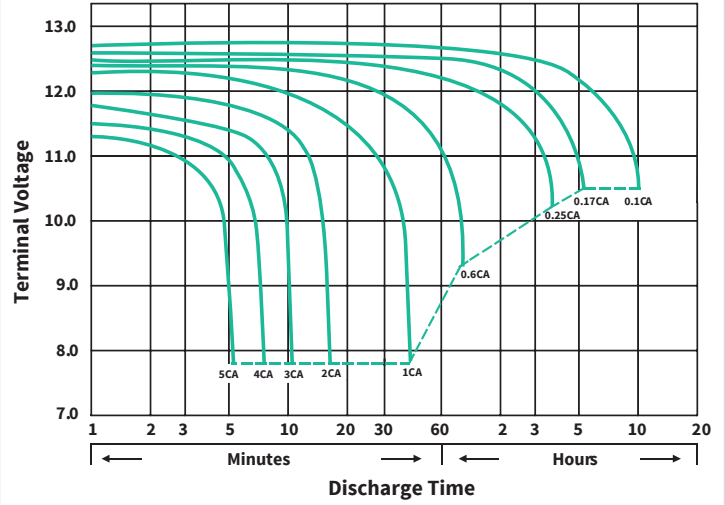
F.V/TIME	5 Min	10 Min	15 Min	30 Min	60 Min	2 Hr	5 Hr	10 Hr	20 Hr
1.80V/cell	43.7	29.2	22.4	14.3	7.73	4.65	2.14	1.29	0.700
1.75V/cell	47.3	31.3	23.8	14.8	8.03	4.87	2.22	1.30	0.709
1.70V/cell	50.4	33.0	25.0	15.2	8.30	5.02	2.29	1.31	0.717
1.65V/cell	52.4	34.3	25.8	15.6	8.48	5.13	2.34	1.32	0.723
1.60V/cell	54.0	35.3	26.3	15.9	8.64	5.22	2.37	1.33	0.726

*: Battery consists of 6 cells

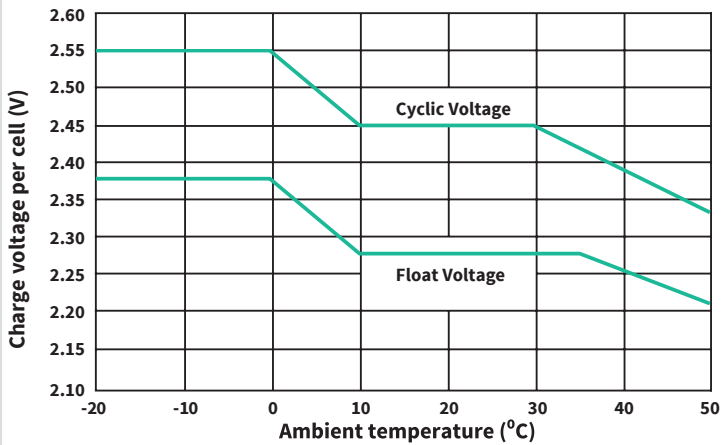
Charge characteristics



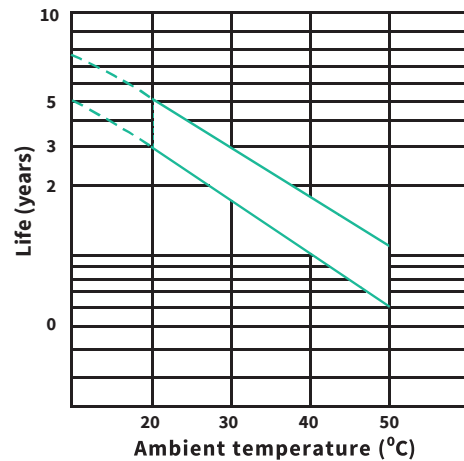
Discharge characteristics



Charge voltage in relation to temperature



Float service life in relation to temperature



Models available

Model	Voltage	Capacity (Ah)	Dimensions (mm)	Weight (kg)
CPH 5-12	12	5	90x70x107	1.90
CPH 6-12	12	6	151x51x101	2.00
CPH 80-12	12	80	258x166x215	24.50
CPH 95-12	12	95	306x170x225	29.20
CPH 110-12	12	110	339x173x220	31.50
CPH 140-12	12	140	341x173x283	39.50
CPH 150-12	12	150	341x173x283	41.00

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 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.

