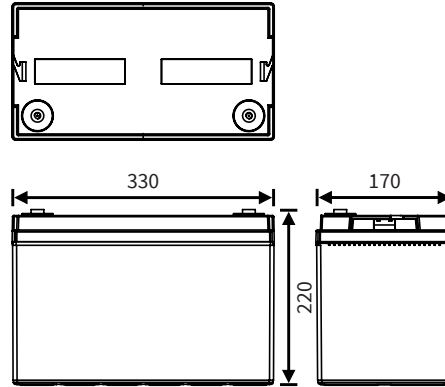


CPH 110-12

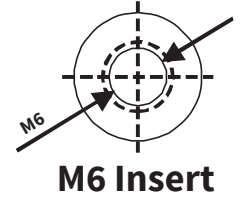
High Rate AGM battery



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 (1.80V/c, 25°C)	20Hr: 110.0 Ah 1Hr: 67.2 Ah
Nominal power (1.60V/c, 25°C)	10Min: 572.0 W/cell
Internal resistance	≤4.2mΩ (fully charged)
Maximum charge current	33.0 A
Maximum discharge current	820 A (max. 5 sec)
Float use / cyclic use	13.4V - 13.8V / 14.4V - 14.7V
Self discharge	<3% per month
Operating temperature range	-20°C ~ 60°C
Designlife (20°C)	10-12 years in float (Eurobat)
Standard terminal	Insert M6 (8.5 Nm Torque)
Housing material	ABS (UL 94-HB)
Dimensions Length	330 mm
Dimensions Width	170 mm
Dimensions Height	220 mm
Approximate Weight	32.3 kg
Packing	1 pcs / box

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

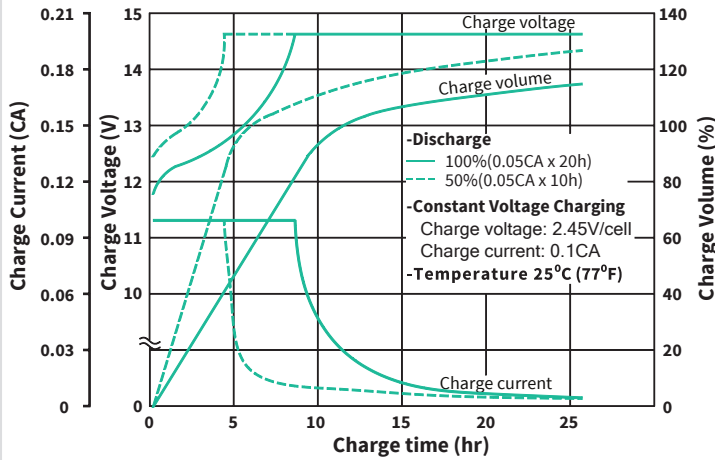
FV/TIME	3 Min	5 Min	10 Min	15 Min	20 Min	25 Min	30 Min	45 Min	60 Min
1.80V/cell	405,0	328,0	263,0	191,0	164,0	141,0	121,0	86,1	67,2
1.75V/cell	419,0	342,0	284,0	200,0	170,0	145,0	126,0	88,2	69,3
1.70V/cell	434,0	358,0	294,0	210,0	175,0	151,0	132,0	93,5	71,4
1.67V/cell	448,0	372,0	306,0	225,0	187,0	160,0	141,0	100,0	73,5
1.65V/cell	453,0	376,0	314,0	229,0	193,0	164,0	144,0	101,0	74,4
1.60V/cell	467,0	388,0	322,0	240,0	208,0	176,0	153,0	103,0	76,7

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

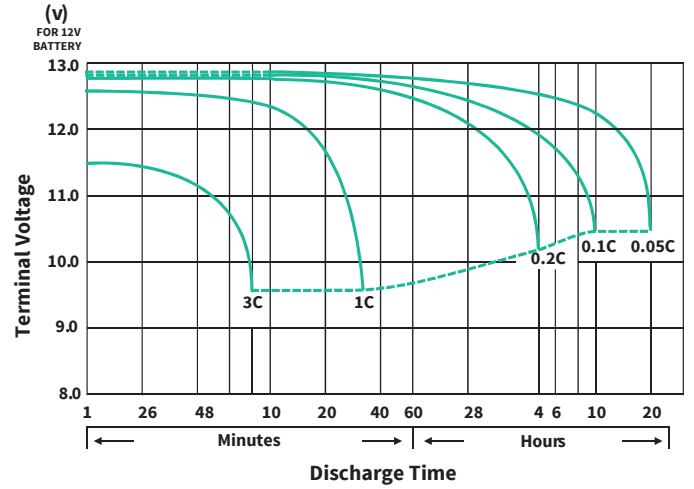
FV/TIME	3 Min	5 Min	10 Min	15 Min	20 Min	25 Min	30 Min	45 Min	60 Min
1.80V/cell	818,0	645,0	465,0	349,0	305,0	261,0	228,0	162,0	125,0
1.75V/cell	832,0	664,0	482,0	372,0	323,0	273,0	238,0	172,0	132,0
1.70V/cell	849,0	697,0	512,0	395,0	339,0	289,0	251,0	182,0	137,0
1.67V/cell	864,0	723,0	553,0	420,0	360,0	302,0	252,0	187,0	141,0
1.65V/cell	870,0	729,0	558,0	425,0	364,0	306,0	256,0	188,0	142,0
1.60V/cell	886,0	746,0	572,0	437,0	365,0	315,0	267,0	191,0	144,0

*: Battery consists of 6 cells

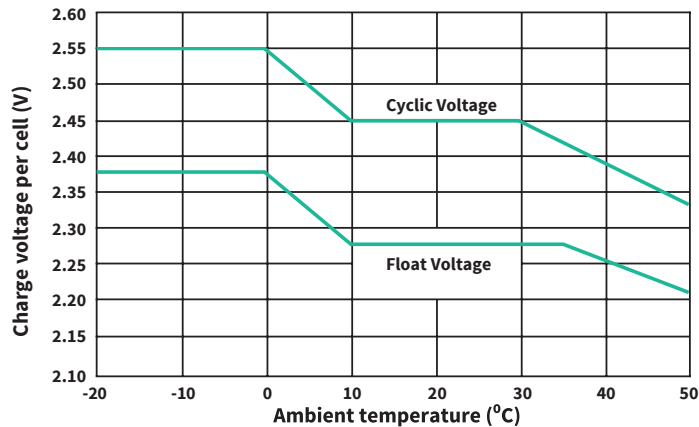
Charge characteristics



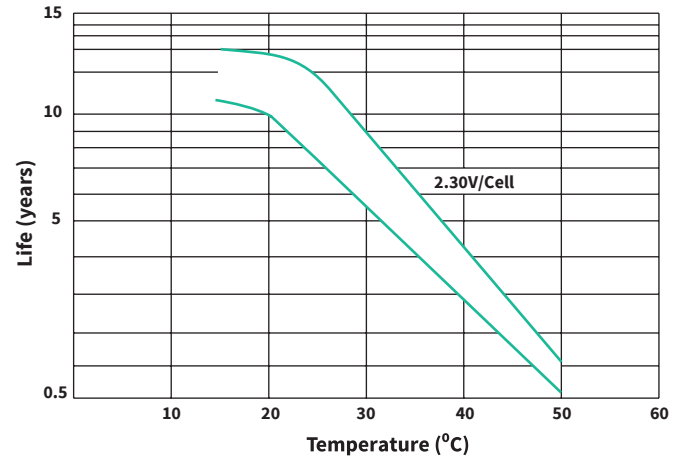
Discharge characteristics



Charge voltage in relation to temperature



Service life in relation to temperature



Models available

Model	Voltage	Capacity (Ah)	Dimensions (mm)	Weight (kg)
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	330x170x220	32.30
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 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.

