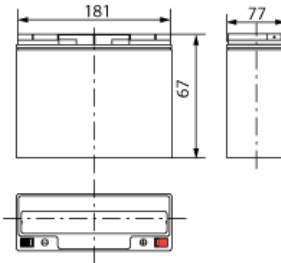


**CP 20-12B**

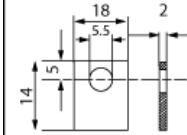


Battery for multi purpose use

**Dimensions (mm)**



**Standard terminal (mm)  
Threaded Insert 5mm STUD**



Nominal voltage	12 V	
Nominal Capacity (20HR,20 C):	20 Ah	
Internal resistance	Approx. 15 m Ω	
Maximum charging current	6 A	
Maximum discharge current	300 A (5 sec.)	
Operating temperature range	-20 C 50 C	
Float use/ cycle use	13.6 – 13.8V/ 14.5 – 14.9V	
Expected life (20 C)	3 – 5 years in float charge	
Standard terminal	flag terminal	
Housing material	ABS	
Dimensions	length	181 mm
	width	77 mm
	height	167 mm ( 1 mm)
Approx. Weight	6.0 kg	
Packing	2 pcs/box	

Typical applications:  
 Alarm devices  
 Measuring equipment  
 Emergency lighting  
 Medical equipment  
 Telecommunication systems  
 UPS systems  
 Toys  
 Domestic applications.

Valve Regulated Maintenance Free  
 High current drain grid being resistant to corrosion by virtue of a lead-calcium alloy  
 Absorbent Glassmat Technology (AGM)  
 Classified as non- spillable and Non Dangerous goods by IATA, FAA, ADR, IMDG  
 Can be discharged or stored in any position without leakage  
 Cannot be charged while the terminal is downward

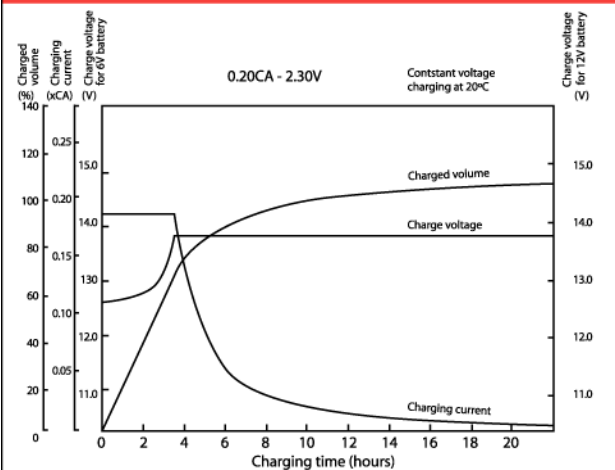
**Constant Current Discharge Characteristics (A, 20°C)**

F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
9.60V	76.0	48.0	38.0	22.0	13.0	5.08	3.45	1.87	1.02
10.2V	72.2	45.6	36.5	21.1	12.5	5.00	3.40	1.85	1.01
10.8V	67.9	42.9	34.7	20.1	11.9	4.90	3.33	1.84	1.00

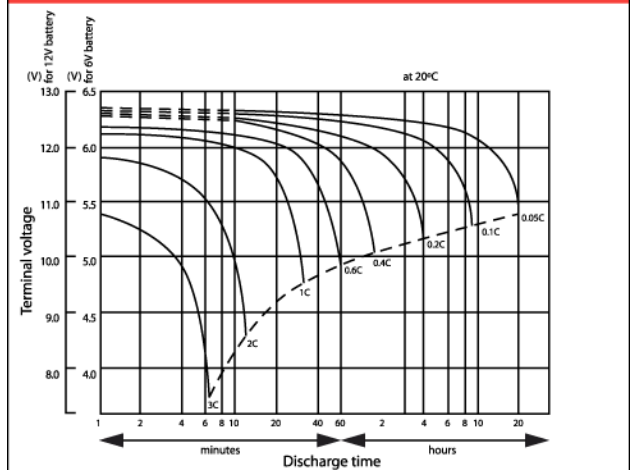
**Constant Power Discharge Characteristics (Watt, 20°C)**

F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
9.60V	848	541	433	252	151	60.3	41.2	22.4	12.2
10.2V	806	514	416	242	145	59.4	40.6	22.2	12.1
10.8V	757	484	395	230	137	58.2	39.8	22.2	12.0

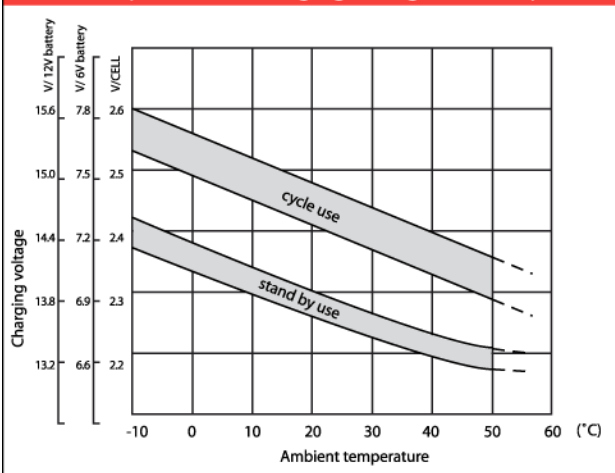
### Charging characteristics



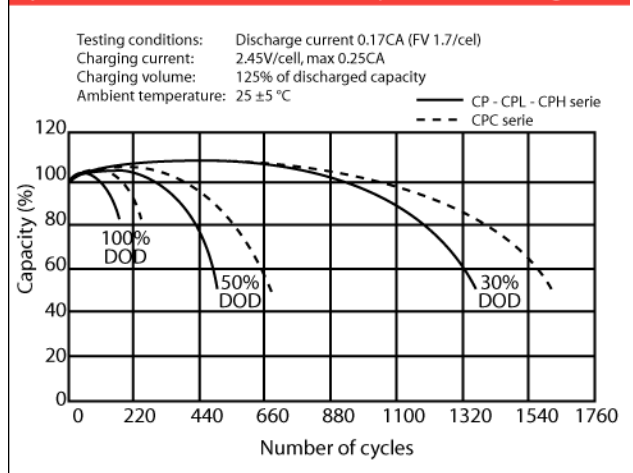
### Discharge characteristics curves



### Relationship between charging voltage and temperature



### Cycle service life in relation to depth and discharge



### Models available

Model	Capacity (Ah)	Dimensions (mm)	Weight
CP 1.2 - 6	1.2	97 x 24 x 58	0.30 kg
CP 3.2 - 6	3.2	134 x 34 x 66	0.67 kg
CP 3.5 - 6	3.5	194 x 25 x 56	0.58 kg
CP 4 - 6	4	70 x 47 x 107	0.85 kg
CP 7 - 6	7	151 x 34 x 100	1.12 kg
CP 12 - 6	12	151 x 50 x 100	1.92 kg
CP 12 - 6L	12	151 x 50 x 100	1.92 kg
CP 0.8 - 12	0.8	96 x 25 x 62	0.36 kg
CP 1.2 - 12	1.2	97 x 43 x 58	0.58 kg
CP 2 - 12M	2	150 x 20 x 90	0.68 kg
CP 2.2 - 12	2.2	178 x 34 x 67	1.10 kg
CP 2.3 - 12C	2.3	182 x 24 x 62	0.76 kg
CP 2.9 - 12	2.9	79 x 56 x 105	1.08 kg
CP 3.2 - 12	3.2	134 x 67 x 67	1.32 kg
CP 4.5 - 12	4.5	195 x 47 x 74	1.60 kg
CP 5 - 12	5	90 x 70 x 107	1.98 kg
CP 7 - 12	7	151 x 65 x 97.5	2.40 kg
CP 7 - 12 L	7	151 x 65 x 97.5	2.40 kg
CP 12 - 12	12	151 x 98 x 101	4.10 kg
CP 18 - 12I	18	181 x 77 x 167	6.30 kg
CP 20 - 12B	20	181 x 77 x 167	6.10 kg
CP 26 - 12I	26	166 x 175 x 125	9.30 kg
CP 40 - 12I	40	197 x 165 x 170	13.10 kg
CP 65 - 12I	65	348 x 167 x 178	22.00 kg

### 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.

Apart from the VdS approval, this range is also approved by the Dutch NCP institute, further underlining the high quality of this range.

### Typical applications:

- VdS & NCP approved alarm systems
- Fire & burglar alarm systems