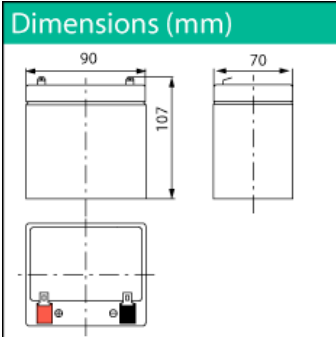


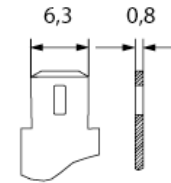
CPH 5-12



Highrate battery



Standard terminal (mm)



Nominal voltage	12 V	
Nominal Capacity (20HR, 20°C):	5 Ah	
Internal resistance	Approx. 32 m Ω	
Maximum charging current	1,8 A	
Maximum discharge current	90 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 charging	
Standard terminal	Faston 6,3 mm	
Housing material	ABS FR GLASS HB	
Dimensions	length	90 mm
	width	70 mm
	height	107 mm (±1 mm)
Approx. Weight	1,8 kg	
Packing	10 pcs/box	

Typical applications:

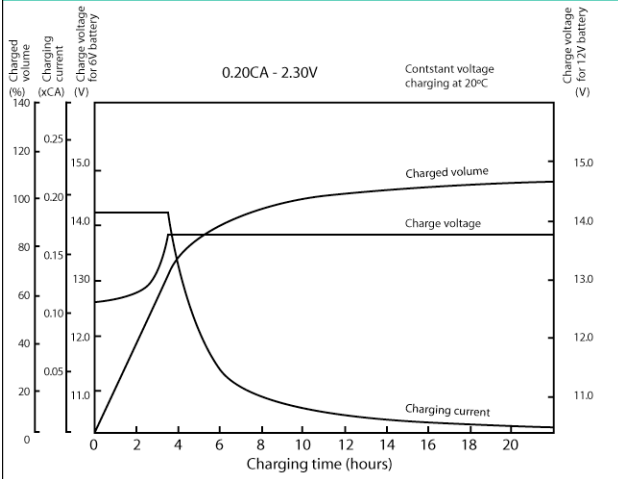
- UPS systems
- Telecommunication systems
- Solar
- Security systems
- Start boosters
- Mopeds
- Water scooters

- Valve Regulated Maintenance Free
- High current drain grid being resistant to corrosion by virtue of a lead-calcium alloy
- Absorbent Glassmat Technology
- 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.

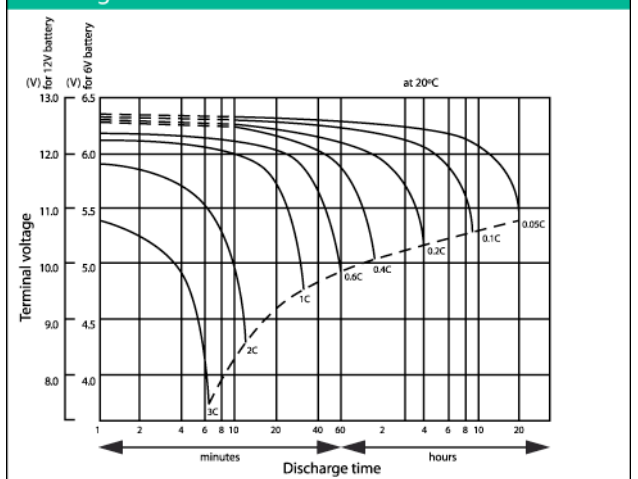
Constant Current Discharge Characteristics (A, 20°C)									
F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
9.60V	25.2	16.0	12.5	6.80	3.90	1.47	0.97	0.52	0.30
10.2V	24.2	15.2	12.0	6.53	3.70	1.45	0.96	0.52	0.30
10.8V	22.8	14.3	11.4	6.20	3.60	1.42	0.94	0.51	0.28

Constant Power Discharge Characteristics (Watt, 20°C)									
F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
9.60V	285	180	143	77.9	45.2	17.5	11.6	6.24	3.60
10.2V	270	171	137	74.8	43.4	17.2	11.5	6.24	3.60
10.8V	254	161	130	71.1	41.2	16.9	11.2	6.12	3.36

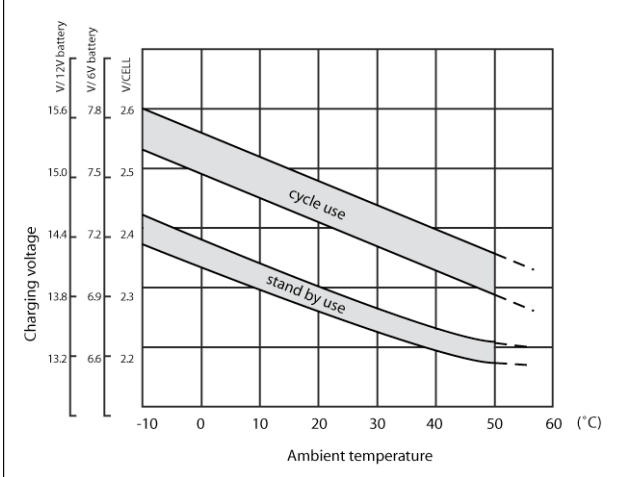
Charging characteristics



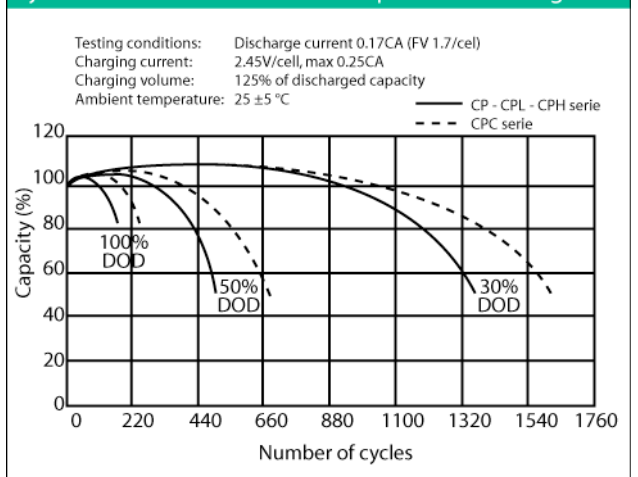
Discharge characteristics curves



Relationship between charging voltage and temperature



Cycle service life in relation to depth and discharge



Models available

Model	capacity (Ah)	Dimensions (mm)	weight
5 - 12	5	90 x 70 x 107	1.8 kg
6 - 12	6	151 x 52 x 99	1.92 kg
9 - 12L	9	151 x 65 x 100	2.6 kg
28 - 12I	28	166 x 175 x 125	9 kg
28 - 12IA	28	165 x 125 x 182	9.5 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 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