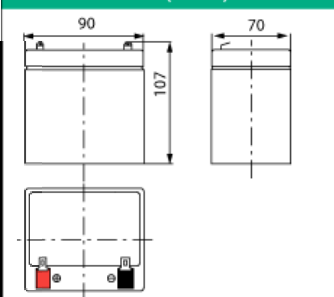
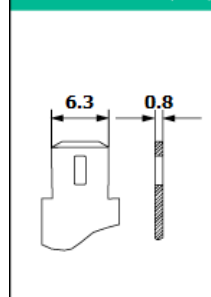


CPH 5-12

Highrate battery
Dimensions (mm)

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
Dimensions	length	90 mm
	width	70 mm
	height	107 mm (±1 mm)
Approx. Weight		1.82 kg
Packing		10 pcs/box

Typical applications:

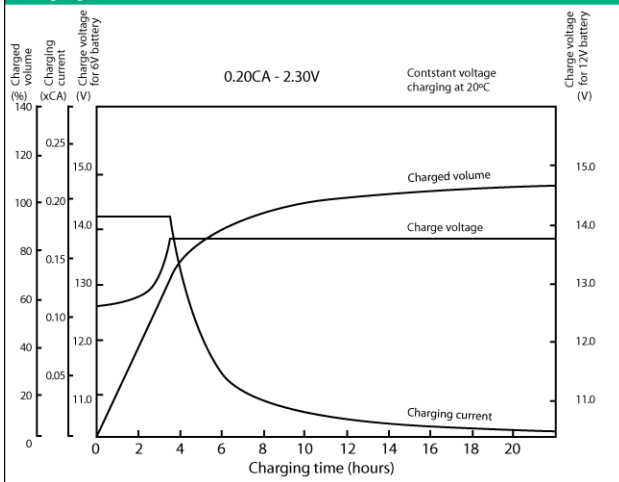
- UPS systems
- Telecommunication systems
- Solar
- Security systems
- Start boosters
- Mopeds
- Water scooters

- 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.

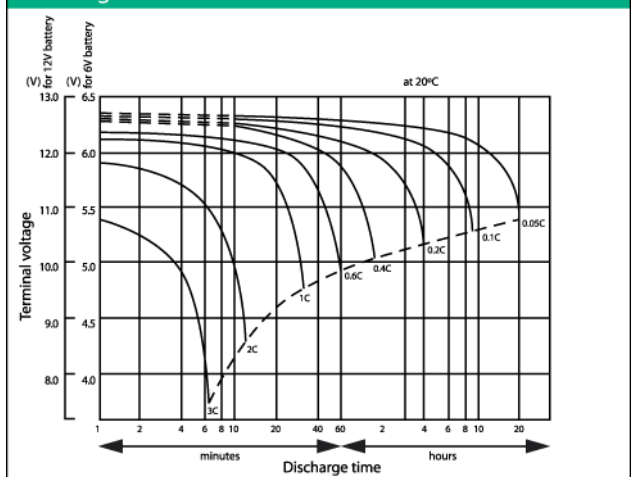
Constant Current Discharge Characteristics (A, 20°C)									
F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
9.60V	30	16.9	12	7.81	4.39	1.63	1.04	0.60	0.32
10.2V	24.6	14.7	10.8	7.01	4.1	1.51	0.99	0.59	0.31
10.8V	19.8	12.3	9.22	6.49	3.8	1.43	0.94	0.57	0.30

Constant Power Discharge Characteristics (Watt, 20°C)									
F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
9.60V	298.2	172.8	126	85.8	49.5	18.7	12.18	7.08	3.75
10.2V	254.4	154.8	115.8	78	46.9	17.5	11.76	6.90	3.69
10.8V	214.8	134.4	102	73.2	43.7	16.7	11.16	6.78	3.59

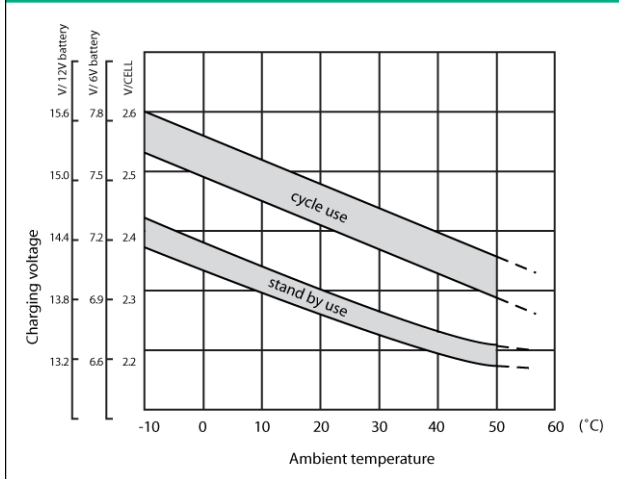
Charging characteristics



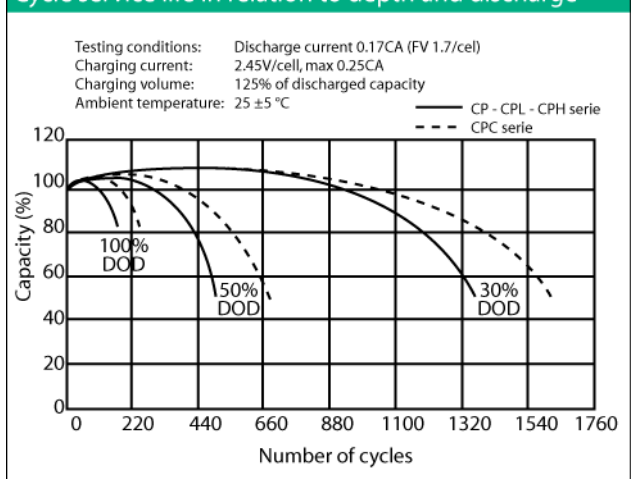
Discharge characteristics curves



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	1.82 kg
6 - 12	6	151 x 52 x 99	1.92 kg