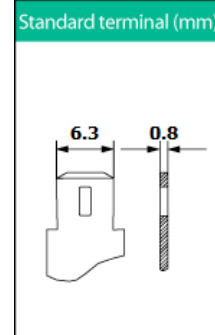
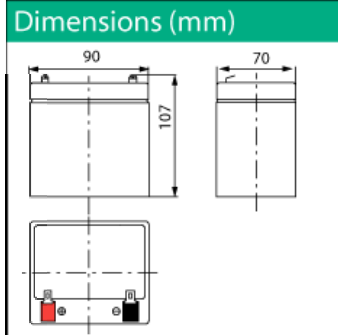


CPH 5 - 12

Highrate battery



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 :

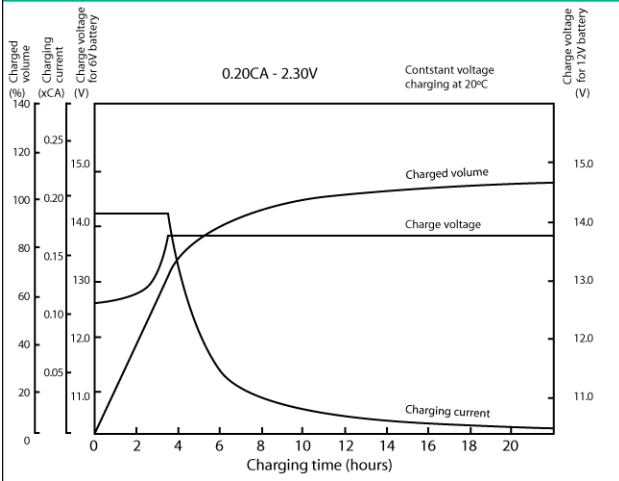
- UPS systems
- Telecommunication systems
- Solar
- Security systems
- Start boosters
- Mopeds
- Water scooters

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.

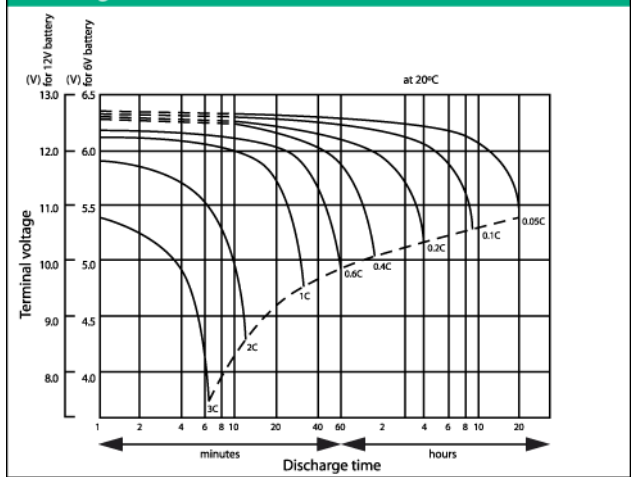
Constant Current Discharge Characteristics (A, 20°C)									
F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
9.60V	30	16.9	12	7.81	4.39	1.63	1.04	0.60	0.32
10.2V	24.6	14.7	10.8	7.01	4.1	1.51	0.99	0.59	0.31
10.8V	19.8	12.3	9.22	6.49	3.8	1.43	0.94	0.57	0.30

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

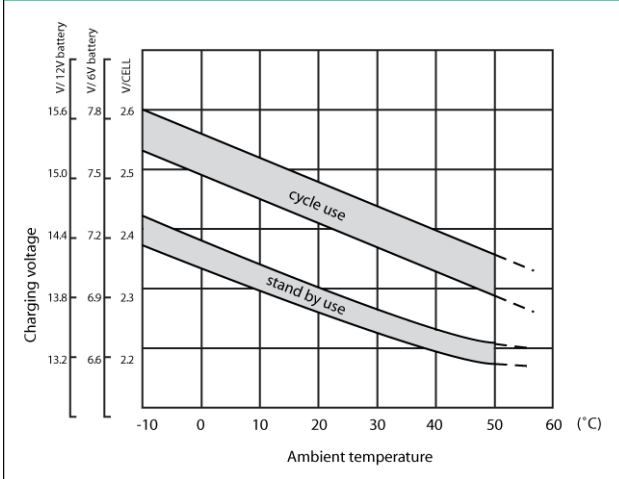
Charging characteristics



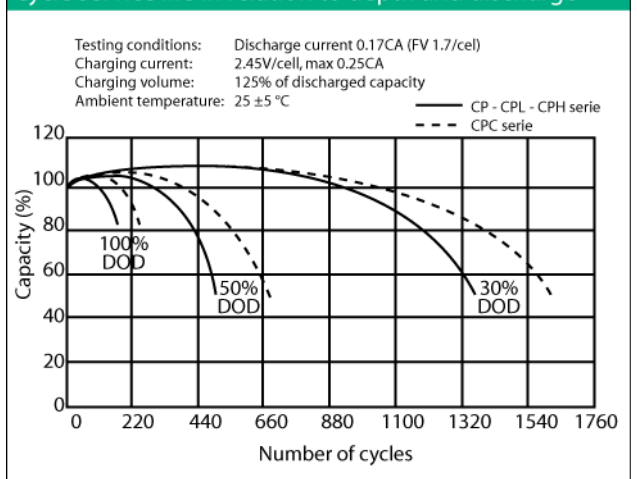
Discharge characteristics curves



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