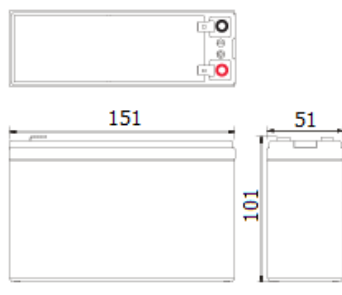
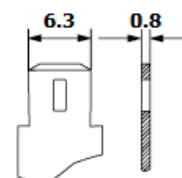


**CPH 6-12**

**High Rate battery**
**Dimensions (mm)**

**Standard terminal (mm)**


|                               |        |                               |
|-------------------------------|--------|-------------------------------|
| Nominal voltage               |        | 12 V                          |
| Nominal Capacity (20HR,20°C): |        | 6 Ah                          |
| Internal resistance           |        | Approx. 16 m Ω                |
| Maximum charging current      |        | 1.5 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 + 6.3mm – 4.8mm        |
| Housing material              |        | ABS                           |
| Dimensions                    | length | 151 mm                        |
|                               | width  | 51 mm                         |
|                               | height | 101 mm (±1 mm)                |
| Approx. Weight                |        | 1.93 kg                       |
| Packing                       |        | 5 pc/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.

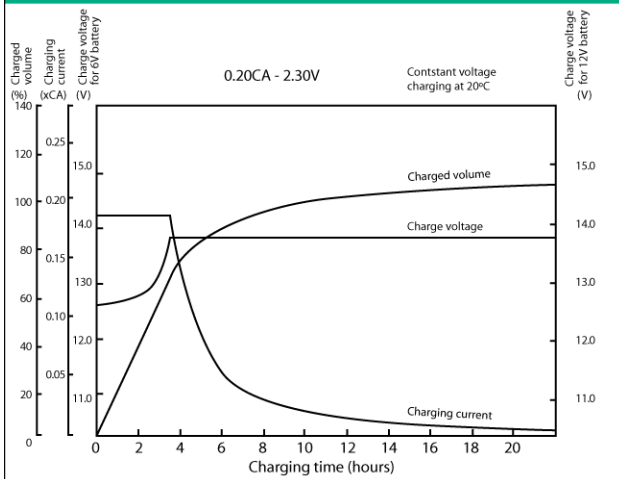
**Constant Current Discharge Characteristics (A, 20°C)**

| F.V/TIME | 5min | 10min | 15min | 30min | 60min | 3h   | 5h   | 10h  | 20h  |
|----------|------|-------|-------|-------|-------|------|------|------|------|
| 9.60V    | 32.5 | 18.6  | 13.5  | 7.42  | 3.96  | 1.67 | 1.15 | 0.63 | 0.33 |
| 10.2V    | 29.7 | 17.3  | 13.0  | 7.04  | 3.77  | 1.60 | 1.12 | 0.62 | 0.32 |
| 10.8V    | 25.3 | 15.3  | 11.8  | 6.54  | 3.49  | 1.49 | 1.05 | 0.60 | 0.31 |

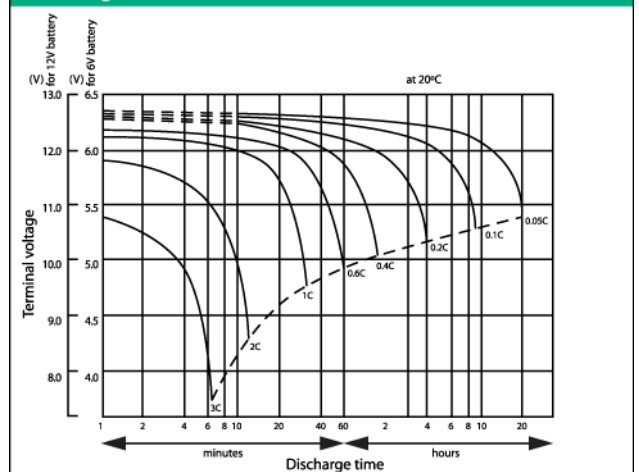
**Constant Power Discharge Characteristics (Watt, 20°C)**

| F.V/TIME | 5min | 10min | 15min | 30min | 60min | 3h   | 5h   | 10h  | 20h  |
|----------|------|-------|-------|-------|-------|------|------|------|------|
| 9.60V    | 380  | 217   | 154   | 86.8  | 47.5  | 20.5 | 14.3 | 7.88 | 4.18 |
| 10.2V    | 358  | 203   | 146   | 82.7  | 45.5  | 19.3 | 13.8 | 7.79 | 4.12 |
| 10.8V    | 318  | 180   | 130   | 76.7  | 42.1  | 17.1 | 12.9 | 7.63 | 4.02 |

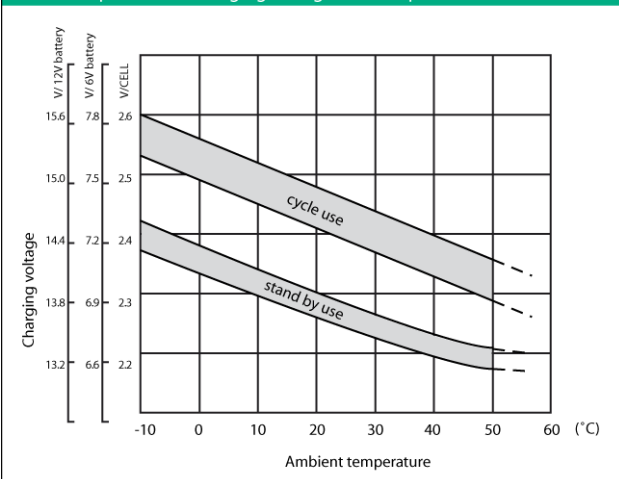
## Charging characteristics



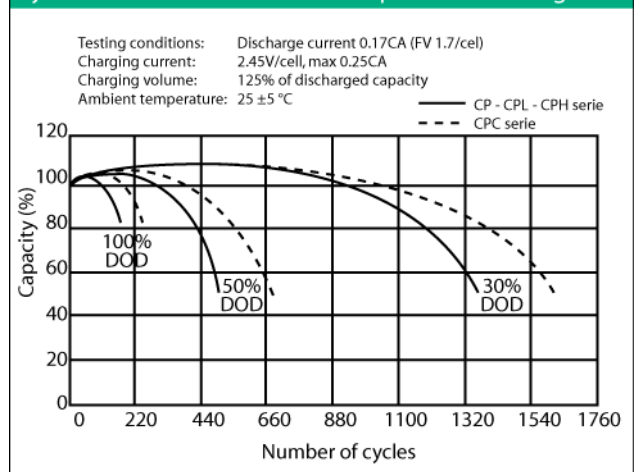
## Discharge characteristics curves



## 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 51 x 101  | 1.93 kg |