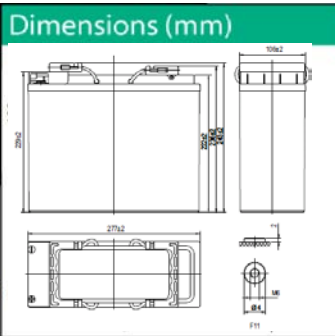


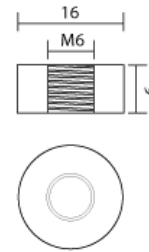
CPF 50 -12



**AGM Longlife-series
12 years design life**



Standard terminal (mm)
Threaded insert 6mm STUD



Nominal voltage	12 V	
Nominal Capacity 10HR,25°C):	50 Ah	
Internal resistance	Approx. 8.0 m Ω	
Maximum charging current	12.5 A	
Maximum discharge current	500 A (5 sec.)	
Operating temperature range	-10°C ~ 60°C	
Float use/ cycle use	13.5 - 13.8V/ 14.4 – 15.0V	
Expected life (20°C)	12 years in float	
Standard terminal	Threaded insert 6 mm	
Housing material	ABS	
Dimensions	length	277 mm (±2 mm)
	width	106 mm (±2 mm)
	height	229 mm (±2 mm)
Approx. Weight	17.3 kg	
Packing	1 pcs/box	

Typical applications:

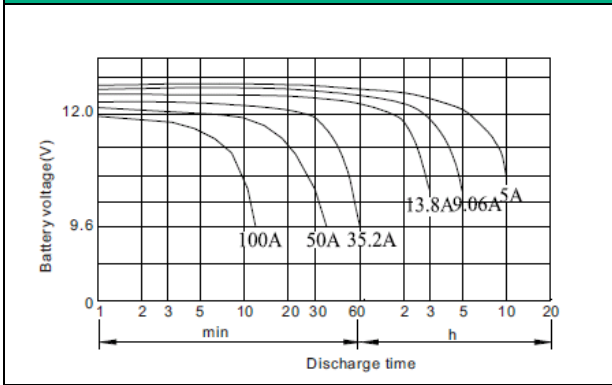
- UPS and EPS systems
- Computerized data bases
- Life support equipment
- Air traffic power stations
- Security systems
- Military base

- Valve Regulated Maintenance Free
- Absorbent Glassmat Technology
- Low self discharge
- 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.

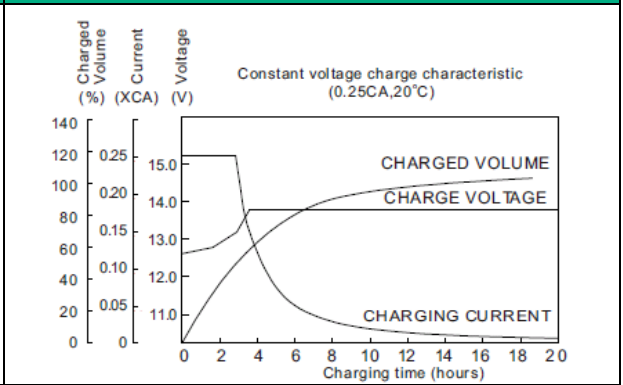
Constant Current Discharge (Amperes) at 25 °C (77°F)								
F.V/TIME	10min	15min	30min	45min	60min	3h	5h	10h
1.80V/cell	77	66.0	49.0	38.8	32.4	13.6	9.00	5.00
1.75V/cell	85	71.6	51.2	40.1	33.1	13.8	9.06	5.01
1.70V/cell	93	77.1	53.3	41.4	33.8	14.1	9.13	5.02
1.65V/cell	101	82.7	55.5	42.7	34.5	14.3	9.19	5.03
1.60V/cell	109	88.2	57.6	44.0	35.2	14.5	9.26	5.04

Constant Current Discharge (Watts) at 25 °C (77°F)								
F.V/TIME	10min	15min	30min	45min	60min	2h	3h	5h
1.80V/cell	147	127	93.4	74.1	61.7	37.0	27.5	17.9
1.75V/cell	158	135	97.9	76.9	63.5	37.5	27.7	18.1
1.70V/cell	168	143	102	79.8	65.3	37.9	28.0	18.2
1.65V/cell	179	151	107	82.7	67.1	38.4	28.2	18.4
1.60V/cell	190	159	111	85.6	69.0	38.9	28.5	18.5

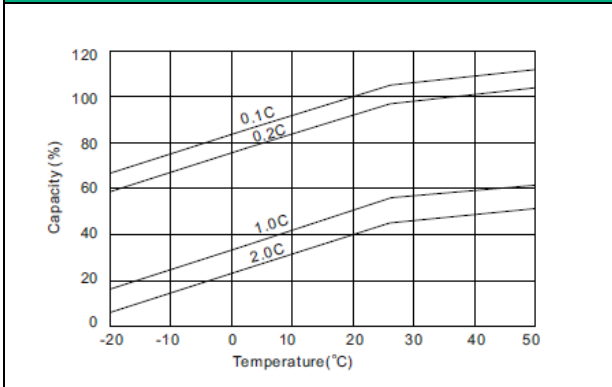
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

