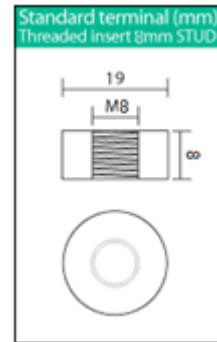
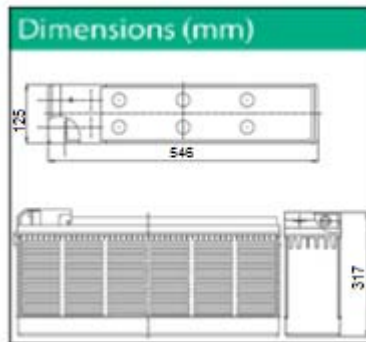


**CPF 180-12**



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



Nominal voltage	12 V	
Nominal Capacity 10HR,20°C):	180 Ah	
Internal resistance	Approx. 4 m Ω	
Maximum charging current	54 A	
Maximum discharge current	1000 A (5 sec.)	
Operating temperature range	-15°C ~ 50°C	
Float use/ cycle use	13.5 - 13.8V/ 14.4 – 15.0V	
Expected life (20°C)	10 years in float	
Standard terminal	Threaded insert 8 mm	
Housing material	ABS	
Dimensions	length	558 mm (±2 mm)
	width	125 mm (±2 mm)
	height	317 mm (±2 mm)
Approx. Weight	58.5 kg	
Packing	1 pcs/box	

**Typical applications:**

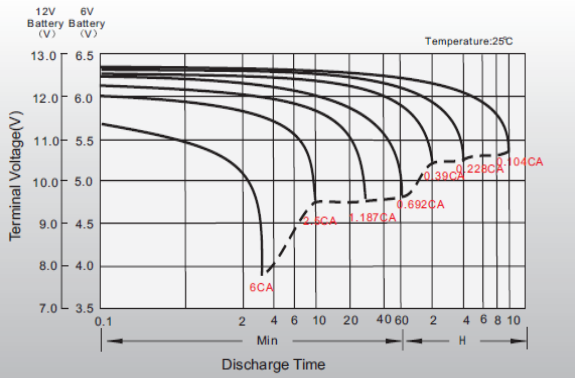
- UPS and EPS systems
- Computerized data bases
- Life support equipment
- Air traffic power stations
- Security systems
- Military base

- 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.

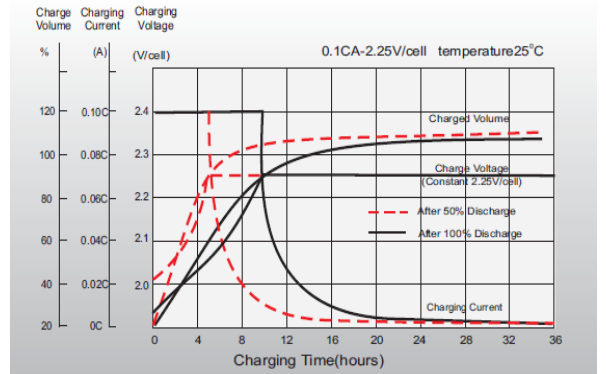
Constant Current Discharge (Amperes) at 25 °C (77° F )								
F.V/TIME	10min	15min	30min	45min	1h	3h	5h	10h
1.80V/cell	261	238	176	135	109	48	32.1	18
1.75V/cell	285	254	181	138	111	48.8	32.3	18.1
1.70V/cell	308	269	187	140	114	49.5	32.6	18.2
1.65V/cell	332	285	192	143	116	50.3	32.8	18.3
1.60V/cell	355	300	197	145	118	51	33	18.4

Constant Current Discharge (Watts) at 25 °C (77° F )								
F.V/TIME	10min	15min	30min	45min	1h	2h	3h	5h
1.80V/cell	492	435	360	274	208	125	94	62
1.75V/cell	517	458	349	268	212	127	95	62.5
1.70V/cell	541	480	339	262	217	130	96	63.1
1.65V/cell	566	503	328	257	221	132	97	63.6
1.60V/cell	590	525	318	251	225	134	98	64.1

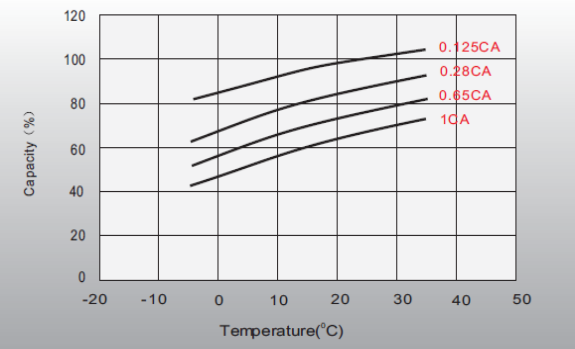
**Discharge Characteristics**



**Float Charging Characteristics**



**Temperature Effects in Relation to Battery Capacity**



**Effect of Temperature on Long Term Float Life**

