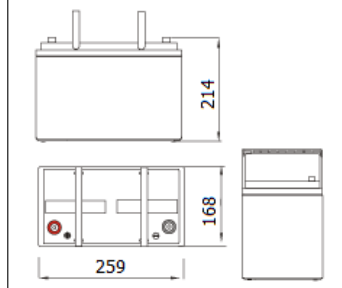


**CPL 80 - 12**

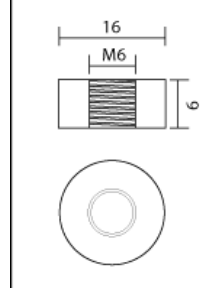
**AGM Longlife-series  
10 years design life**



**Dimensions (mm)**



**Standard terminal (mm)  
Threaded Insert 6mm STUD**



Nominal voltage	12 V	
Nominal Capacity 20HR,20°C):	80 Ah	
Internal resistance	Approx. 6.6 m Ω	
Maximum charging current	22.5 A	
Maximum discharge current	900 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 (EUROBAT)	
Standard terminal	Threaded insert 6 mm	
Housing material	ABS	
Dimensions	length	259 mm (±2 mm)
	width	168 mm (±2 mm)
	height	214 mm (±2 mm)
Approx. Weight	23.0 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
- Built to comply with DIN 43534, IEC896-2, BS6290-pt.4
- 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.

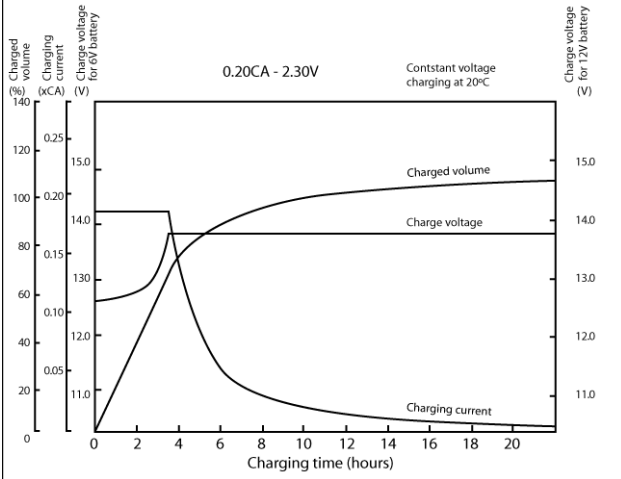
**Constant Current Discharge (Amperes) at 25 °C (77°F )**

F.V/TIME	5min	10min	15min	20min	25min	30min	45min	50min	60min	90min	2h	3h	4h	5h	6h	7h	8h	9h	10h	12h	20h
1.85V/cell	112.5	87.8	73.8	65.5	57.9	53.8	41.9	38.8	35.9	27.0	23.2	17.5	14.3	12.0	10.5	9.33	8.46	7.76	7.27	6.20	3.88
1.80V/cell	130.9	100.4	82.9	72.4	63.3	58.4	45.2	41.9	37.8	28.8	25.0	18.8	15.2	12.8	11.2	9.85	8.90	8.08	7.50	6.40	4.01
1.75V/cell	149.5	114.0	93.4	80.0	69.4	63.4	49.3	45.7	41.3	30.6	26.0	19.5	15.7	13.1	11.5	10.2	9.20	8.32	7.70	6.57	4.11
1.70V/cell	169.1	128.8	103.6	88.3	76.1	69.3	53.1	48.7	43.7	32.3	27.3	20.5	16.4	13.8	12.1	10.6	9.58	8.66	8.00	6.78	4.22
1.65V/cell	181.5	138.3	111.0	93.9	80.6	73.1	56.2	51.6	45.2	33.4	28.3	21.4	17.1	14.2	12.5	11.0	9.91	8.93	8.22	6.98	4.35
1.60V/cell	202.4	152.2	121.5	102.1	86.7	78.0	58.4	53.6	46.5	34.4	29.1	21.9	17.5	14.6	12.8	11.2	10.1	9.10	8.39	7.11	4.42

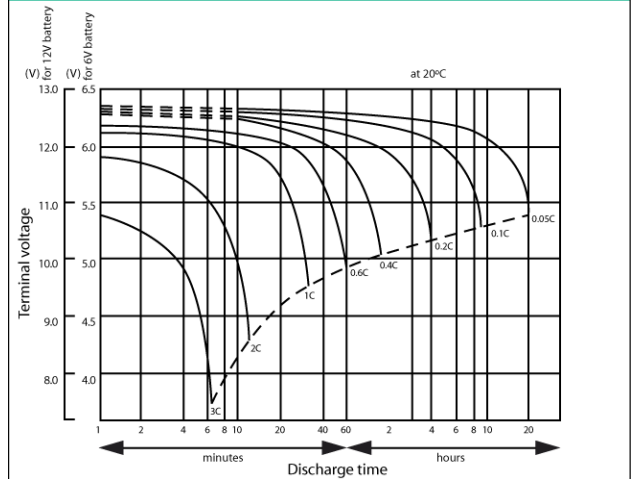
**Constant Power Discharge (Watts) at 25 °C (77°F )**

F.V/TIME	5min	10min	15min	20min	25min	30min	45min	50min	60min	90min	2h	3h	4h	5h	6h	7h	8h	9h	10h	12h	20h
1.85V/cell	207.9	163.8	139.2	124.7	110.8	103.5	81.1	75.6	69.9	52.8	45.5	34.4	28.2	23.8	20.9	18.6	16.9	15.5	14.5	12.4	7.76
1.80V/cell	239.4	185.3	154.2	135.9	119.5	110.7	86.6	81.0	73.4	56.0	48.6	36.7	29.9	25.1	22.1	19.5	17.7	16.1	15.0	12.8	8.02
1.75V/cell	267.6	207.1	171.7	148.8	129.7	119.4	93.7	87.7	79.6	59.2	50.4	38.0	30.8	25.6	22.7	20.1	18.2	16.6	15.4	13.1	8.21
1.70V/cell	297.7	231.3	188.7	163.0	141.4	129.6	100.6	93.2	84.0	62.3	53.0	40.0	32.1	27.1	23.8	21.0	19.0	17.2	15.9	13.5	8.41
1.65V/cell	311.6	243.3	199.6	172.1	148.7	135.7	105.5	97.9	86.2	64.1	54.6	41.4	33.2	27.8	24.5	21.7	19.6	17.7	16.4	13.9	8.67
1.60V/cell	339.5	261.7	215.1	185.0	158.5	143.8	108.9	101.2	88.4	65.6	55.7	42.3	33.9	28.4	25.0	22.0	19.9	18.0	16.7	14.1	8.79

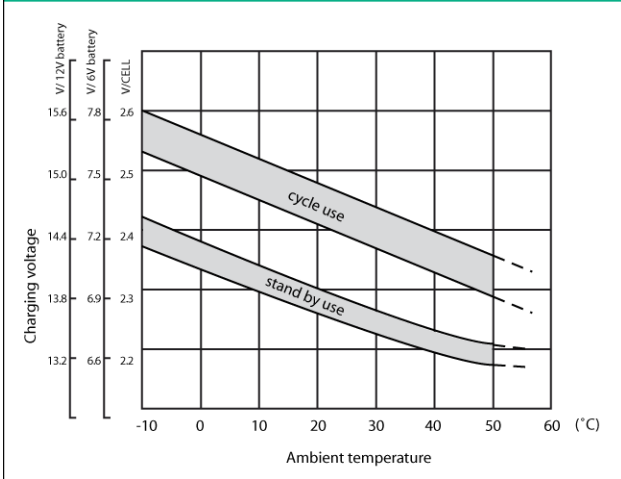
### Charging characteristics



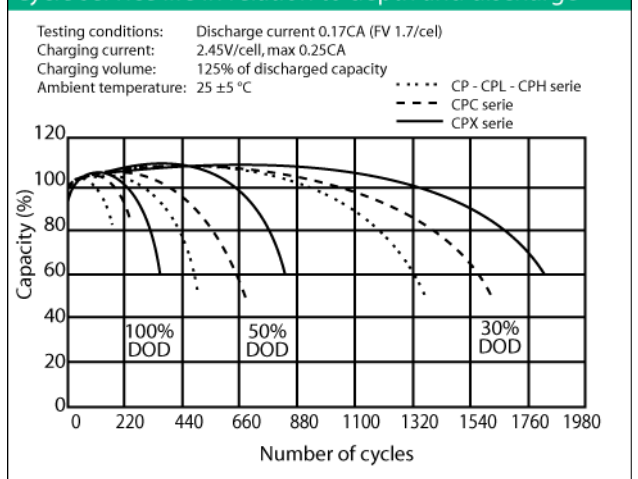
### Discharge characteristics curves



### Relationship between charging voltage and temperature



### Cycle service life in relation to depth and discharge



### Models available, Constant Power Discharge (Watts) at 25°C (77°F) 1.65V/c – Time, Weight

Model	5min	10min	15min	20min	25min	30min	50min	1h	1.5h	2h	4h	6h	8h	10h	20h	Weight
CPL 9 – 12L	53.4	37.8	29.1	24.2	20.9	18.0	11.9	10.6	7.63	6.19	3.73	2.69	2.11	1.76	0.93	2.75 kg
CPL 12 – 12	64.6	45.4	35.0	28.7	24.7	21.9	15.3	13.7	10.6	8.55	6.62	3.69	2.93	2.50	1.33	4.05 kg
CPL 18 – 12	96.9	68.0	52.6	43.1	37.1	32.8	23.0	20.6	15.9	12.8	7.97	5.54	4.40	3.75	1.99	6.0 kg
CPL 26 – 12	139.9	98.3	75.9	62.3	53.6	47.4	33.2	29.7	23.0	18.5	11.5	8.00	6.35	5.42	2.88	8.4 kg
CPL 28 – 12I	150.7	105.8	81.8	67.1	57.7	51.0	35.8	32.0	24.8	19.9	12.4	8.62	6.84	5.83	3.10	8.8 kg
CPL 28 – 12IA	150.7	105.8	81.8	67.1	57.7	51.0	35.8	32.0	24.8	19.9	12.4	8.62	6.84	5.83	3.10	9.5 kg
CPL 33 – 12*	294.3	197.0	149.6	122.2	104.1	90.1	60.3	51.9	36.8	29.0	15.6	11.1	8.67	7.39	3.82	11.7 kg
CPL 45 – 12I	187.0	146.0	119.8	103.3	89.2	81.4	58.7	51.7	38.5	32.8	19.9	14.7	11.8	9.81	5.20	14.5 kg
CPL 55 – 12I*	380.3	262.5	205.4	170.1	147.4	127.6	85.6	74.0	54.0	43.3	24.0	17.1	13.6	11.6	6.00	17.6 kg
CPL 65 – 12I	270.1	210.9	173.0	149.2	128.8	118.8	84.8	74.7	55.6	47.3	28.8	21.2	17.0	14.2	7.51	21.0 kg
CPL 80 – 12	311.6	243.3	199.6	172.1	148.7	135.7	97.9	86.2	64.1	54.6	33.2	24.5	19.6	16.4	8.67	23.0 kg
CPL 100 – 12	415.5	324.5	266.2	229.5	198.2	180.9	130.5	115.0	85.5	72.8	44.3	32.7	26.1	21.8	11.6	32.0 kg
CPL 135 – 12	581.6	454.3	372.6	321.3	277.5	253.2	182.7	161.0	119.7	101.9	62.1	45.8	36.6	30.5	16.2	45.5 kg
CPL 150 – 12	623.2	486.7	399.2	344.2	297.3	271.3	195.8	172.5	128.3	109.2	66.5	49.0	39.2	32.7	17.3	48.2 kg
CPL 250 – 12	811.2	665.4	573.7	495.5	456.8	353.1	326.3	287.5	213.8	182	138	110.8	92.8	81.7	72.2 kg	

\* High Rate