

Combatt CB Model Batteries

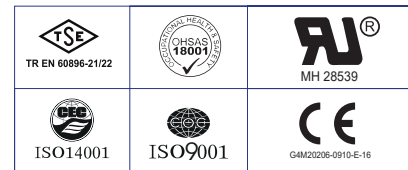
MAINTENANCE-FREE SLA BATTERY / **CBL12-80 (12V80AH)**

SPECIFICATIONS

Cells per unit	6		
Voltage per unit	12V		
Nominal capacity	80Ah@20hour-rate to 1.80V per cell@25°C		
Weight (approx)	24.0KG (± 3.0 %)		
Internal resistance	Approx. 5.5mΩ		
Terminal	F5(M8)/F11(M6)		
Max. discharge current	800A (5 sec)		
Short Circuit Current	1840A		
Design life	12 years (Float charging)		
Recommended max. charging current	24A		
Reference capacity	C3	62.1AH	
	C5	71.5AH	
	C10	80.0AH	
	C20	84.6AH	
Standby use voltage	13.6V~13.8V (Temperature Compansation -3mV/°C/cell)		
Cycle use voltage	14.6V~14.8V (Temperature Compansation -4mV/°C/cell)		
Dimensions	Length	350±2mm	
	Width	167±2mm	
	Height	182±2mm	
	Total height	182±2mm	
Operating temperature range	Discharge:	-20~60°C	
	Charge:	0~50°C	
	Storage:	-20~60°C	
Nominal operating temperature	25±5°C		
Self discharge	Combatt CBL series VRLA batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly self-discharge ratio is less than 3% at 25°C. Please charge batteries before using.		
Container material	A.B.S. UL94-HB, UL94-V0 Optional.		

APPLICATIONS

- UPS
- Emergency power supply
- Banks & Financial Markets
- Hospitals & Testing Laboratories
- Industrial process control facilities
- Data & Network Operations Centers



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

F.V/Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	144.5	111.9	67.73	41.21	25.70	19.13	15.68	13.36	9.06	7.75	4.04
1.80V/cell	160.3	122.6	73.06	43.91	27.01	20.02	16.36	13.89	9.37	8.00	4.15
1.75V/cell	173.0	131.0	77.24	46.01	28.02	20.69	16.87	14.30	9.61	8.20	4.23
1.70V/cell	183.0	137.6	80.46	47.61	28.79	21.21	17.26	14.60	9.79	8.34	4.29
1.65V/cell	190.7	142.7	82.92	48.83	29.37	21.60	17.56	14.83	9.93	8.45	4.34
1.60V/cell	196.5	146.5	84.78	49.75	29.81	21.89	17.78	15.01	10.03	8.53	4.37

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

F.V/Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	272.7	213.4	131.3	80.66	50.71	37.89	31.14	26.60	18.16	15.57	8.12
1.80V/cell	297.4	230.5	140.3	85.34	53.02	39.46	32.35	27.56	18.74	16.05	8.33
1.75V/cell	315.5	243.0	146.8	88.99	54.72	40.64	33.25	28.27	19.17	16.42	8.49
1.70V/cell	327.7	251.5	151.4	91.63	55.96	41.47	33.89	28.78	19.50	16.68	8.60
1.65V/cell	337.7	258.5	155.1	93.65	56.91	42.12	34.39	29.17	19.74	16.89	8.69
1.60V/cell	339.1	260.0	156.3	94.42	57.34	42.43	34.64	29.36	19.88	17.01	8.74