

## Combatt CB Model Batteries

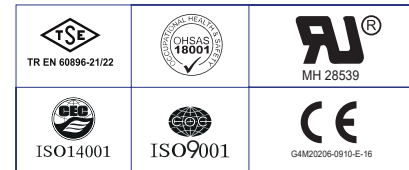
### MAINTENANCE-FREE SLA BATTERY / CBL12-65A (12V65AH)

#### SPECIFICATIONS

Cells per unit	6		
Voltage per unit	12V		
Nominal capacity	65Ah@20hour-rate to 1.75V per cell@25°C		
Weight (approx)	20.0KG (±3.0 %)		
Internal resistance	Approx. 7.0mΩ		
Terminal	F5(M8)/F11(M6)		
Design life	12 years ( Float charging)		
Max. charging current	19.5A		
Max. discharge current	650A (5 min.)		
Short circuit current	1500A		
Operating temperature range	Nominal Operating Temperature 25°C± 5°C Discharge: -20~60°C Charge: 0~50°C Storage: -20~60°C		
Nominal operating temperature	25±5°C		
Reference capacity	C3	50.4AH	
	C5	58.2AH	
	C10	65.0AH	
	C20	68.8AH	
Standby use voltage	13.6V~13.8V (Temperature Compansation -3mV/°C/cell ) @ 25°C		
Cycle use voltage	14.6V~14.8V (Temperature Compansation -4mV/°C/cell ) @ 25°C		
Dimensions	Length	350±2mm (13.8 inches)	
	Width	167±2mm (6.57 inches)	
	Height	182±2mm (7.17 inches)	
	Total height	182±2mm (7.17 inches)	
Self discharge	Combatt CBL series VRLA batteries can be restored 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.		
Packing material	A.B.S, UL94-HB		

#### APPLICATIONS

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



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

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	151.9	115.0	90.0	54.5	33.5	20.9	15.5	12.7	10.9	7.36	6.30	3.28
1.80V/cell	172.6	127.7	98.6	58.8	35.7	21.9	16.3	13.3	11.3	7.62	6.50	3.37
1.75V/cell	189.5	137.8	105.4	62.1	37.4	22.8	16.8	13.7	11.6	7.81	6.66	3.44
1.70V/cell	202.8	145.7	110.7	64.7	38.7	23.4	17.2	14.0	11.9	7.96	6.78	3.49
1.65V/cell	213.2	151.8	114.8	66.7	39.7	23.9	17.5	14.3	12.1	8.07	6.86	3.53
1.60V/cell	221.2	156.5	117.8	68.2	40.4	24.2	17.8	14.4	12.2	8.15	6.93	3.55

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

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	286.1	217.1	171.7	105.6	65.5	41.2	30.8	25.3	21.6	14.8	12.7	6.60
1.80V/cell	319.5	236.8	185.4	112.8	69.3	43.1	32.1	26.3	22.4	15.2	13.0	6.77
1.75V/cell	344.6	251.2	195.4	118.1	72.3	44.5	33.0	27.0	23.0	15.6	13.3	6.90
1.70V/cell	362.4	260.9	202.3	121.8	74.5	45.5	33.7	27.5	23.4	15.8	13.6	6.99
1.65V/cell	376.8	268.9	207.9	124.8	76.1	46.2	34.2	27.9	23.7	16.0	13.7	7.06
1.60V/cell	380.8	270.0	209.1	125.7	76.7	46.6	34.5	28.1	23.9	16.2	13.8	7.10