

## Combatt CB Model Batteries

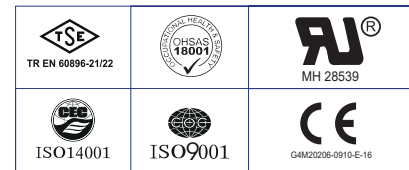
MAINTENANCE-FREE SLA BATTERY / CBL12-55A (12V55AH)

### SPECIFICATIONS

Cells per unit	6	
Voltage per unit	12V	
Nominal capacity	55Ah@20hour-rate to 1.80V per cell@25°C	
Weight (approx)	17.5KG (± 3.0 %)	
Internal resistance	Approx. 6.0mΩ	
Terminal	F15(M6)/F11(M6)	
Max. discharge current	550A (5 sec)	
Short Circuit Current	1160A	
Design life	12 years ( Float charging)	
Recommended max. charging current	16.5A	
Reference capacity	C3	42.7AH
	C5	46.9AH
	C10	55.0AH
	C20	58.2AH
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	229±2mm
	Width	138±2mm
	Height	211±2mm
	Total height	216±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	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	128.6	97.3	76.2	46.1	28.3	17.7	13.15	10.8	9.18	6.23	5.33	2.78
1.80V/cell	146.1	108.0	83.4	49.7	30.2	18.6	13.8	11.2	9.55	6.44	5.50	2.85
1.75V/cell	160.3	116.6	89.2	52.6	31.6	19.3	14.2	11.6	9.83	6.61	5.63	2.91
1.70V/cell	171.6	123.3	93.7	54.8	32.7	19.8	14.6	11.9	10.0	6.73	5.73	2.95
1.65V/cell	180.4	128.5	97.1	56.4	33.6	20.2	14.8	12.1	10.2	6.82	5.81	2.98
1.60V/cell	187.2	132.4	99.7	57.7	34.2	20.5	15.0	12.2	10.3	6.89	5.86	3.01

### 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	242.1	183.7	145.3	89.4	55.5	34.9	26.0	21.4	18.3	12.5	10.7	5.58
1.80V/cell	270.3	200.4	156.9	95.5	58.7	36.4	27.1	22.2	19.0	12.9	11.0	5.73
1.75V/cell	291.6	212.5	165.4	99.9	61.2	37.6	27.9	22.9	19.4	13.2	11.3	5.83
1.70V/cell	306.6	220.8	171.2	103.0	63.0	38.5	28.5	23.3	19.8	13.4	11.5	5.91
1.65V/cell	318.8	227.5	175.9	105.6	64.4	39.1	29.0	23.6	20.1	13.6	11.6	5.97
1.60V/cell	322.2	228.4	176.9	106.4	64.9	39.4	29.2	23.8	20.2	13.7	11.7	6.01