



DC-C SERIES

lead-carbon battery

Feature

DC-C series lead-carbon batteries use functional activated carbon and graphene as carbon materials, which are added to the negative plate of the battery to make lead carbon batteries have the advantages of both lead-acid batteries and super capacitors. It not only improves the ability of rapid charge and discharge, but also greatly prolongs the battery life, more than 2000 cycles at 80%DOD. It is more suitable for the application of PSOC.



Parameter

Terminal	M8 Copper Insert
Cycle Use Voltage	2.30~2.33Vpc (25°)
Temperature Compensation	~4mV/°C/Cell
Operating Temperature Range	15°C to 30°C
Max. Operating Temperature Range	~20°C to 60°C

Application

- Home energy storage system
- Smart power grid and micro-grid system
- Distributed energy storage system
- Solar and wind energy storage system
- Solar power generation grid or of f-grid energy storage system
- Generation and battery hybrid energy storage system
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DC-C Series

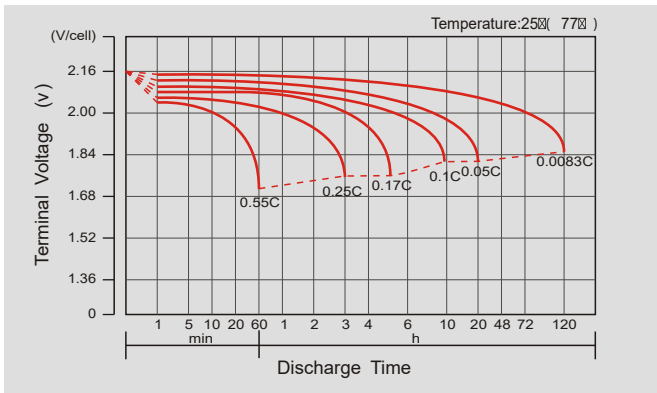
Lead-carbon Battery

Specification

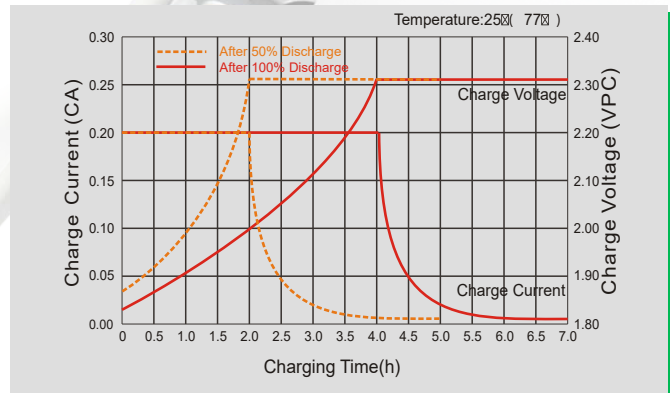
Model	Nominal Voltage (V)	Capacity		Dimension(mm)				Internal Resistance (mΩ)	Weight (Kg)	Terminal Type
		C ₁₀ (Ah)	C ₂₀ (Ah)	Length	Width	Height	Total Height			
DC2-200C	2	200	210	105	171	330	342	0.95	14.5	F10(M8)
DC2-300C	2	300	315	150	171	330	342	0.65	21.5	F10(M8)
DC2-400C	2	400	420	196	171	330	342	0.55	26.5	F10(M8)
DC2-500C	2	500	525	242	171	330	342	0.50	31.0	F10(M8)
DC2-600C	2	600	630	285	171	330	342	0.45	39.5	F10(M8)
DC2-800C	2	800	840	383	171	330	342	0.30	52.0	F10(M8)
DC2-1000C	2	1000	1050	471	171	330	342	0.25	61.0	F10(M8)
DC12-75C	12	68	75	260	169	211	218	7.5	24.0	F11(M6)
DC12-100C	12	90	100	328	172	215	220	5.5	31.0	F12(M8)
DC12-125C	12	113	125	407	177	225	225	5.0	36.5	F12(M8)
DC12-150C	12	135	150	483	170	241	241	4.5	45.0	F12(M8)
DC12-175C	12	158	175	532	207	214	219	4.2	55.0	F12(M8)
DC12-200C	12	180	200	522	240	219	224	4.0	62.5	F10(M8)
DC12-225C	12	200	225	522	240	219	224	3.7	66.0	F10(M8)

Characteristic Curve

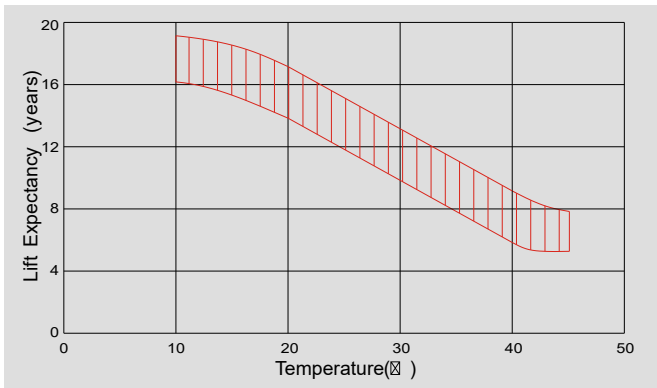
Discharge Characteristics Curve



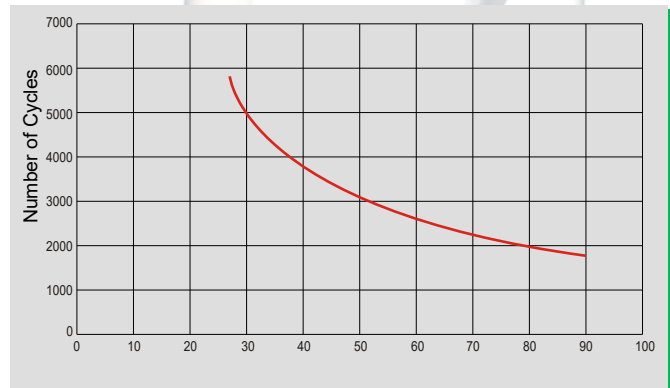
Charge Characteristic Curve for Cycle Use(IU)



Effect of Temperature on Long Term Life



Cycle Life in Relation to Depth of Discharge



(Note) All above information shall be changed without prior notice, Ritar reserves the right to explain and update the latest information.