

Lead Carbon Battery

– Super-C Series –



Technical Features

- Best performance for continuous operation up to 35°C
- Extend service life under deep cycle
- Excellent over-discharge recovery capability

Benefits

- Superior PSoc and deep cycling performance
- Excellent quick charge performance, reduce charging time by 30%
- Excellent over-discharge recovery capability

Main Applications

- Renewable energy (wind & solar) site
- Off-grid & bad-grid environment
- Communication and signal systems
- UPS and emergency illumination
- IDC

Model	C-100-12	C-170-12	C-500-2	C-1000-2
NominalVoltage (V)	12		2	
Capacity (C10)	100Ah @25℃	170Ah @25℃	500Ah @25℃	1000Ah @25℃
Internal Resistance (mΩ)	7	5.2	0.30	0.24
Short-circuit current (A)	1659	1804	7300	9100
OperationTemperature Range	Discharge: -40℃~65 ℃ Charge: -20℃~45 ℃ Storage: -20℃~40 ℃		Discharge: -40℃~50℃ Charge: -20℃~45℃ Storage: -20℃~40℃	
Recommended OperatingTemperature	15℃~30℃			
Maximum Charging Current (A)	30	51	150	300
ChargingVoltage @35℃	Float: 2.23V/cell Equalize: 2.35V/cell			
Terminal	M6		M8	
Outcase	ABS			
Capacity affected byTemperature (C10)	105% @40℃ 85% @0℃ 60% @-20℃			
Design Life @ 30℃	15 years		20 years	
Cycles	1500 cycles @60% DoD		2500cy cles @60% DoD	
Weight (kg)	35.5	58	34.3	69
Dimension (mm)	400x110x286	552x125x310	183x207x358	357x211x358