



Super-C Series

Lead Carbon Battery

12V 170Ah
2V 500Ah,1000Ah

Technical Features

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

Main Applications

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

Benefits

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

- UPS and emergency illumination
- IDC

Model No	C-170-12	C-500-2	C-1000-2
Nominal Voltage (V)	12	2	
Capacity (C10)	170Ah @25°C	500Ah @25°C	1000Ah @25°C
Internal Resistance (mΩ)	5.2	0.30	0.24
Short-circuit current (A)	1804	7300	9100
Operation Temperature Range	Discharge: -40°C~65°C	Discharge: -40°C~50°C	
	Charge: -20°C~45°C	Charge: -20°C~45°C	
	Storage: -20°C~40°C	Storage: -20°C~40°C	
Recommended Operating Temperature		15°C~30°C	
Maximum Charging Current (A)	51	150	300
Charging Voltage @35°C		Float: 2.23V/cell	
		Equalize: 2.35V/cell	
Terminal	M6	M8	
Outcase		ABS	
Capacity affected by Temperature (C10)		105% @40°C	
		85% @0°C	
		60% @-20°C	
Design Life @ 30C	15years	20years	
Cycles	1500cycles @60% DOD,	2500cycles @60% DOD,	
	750cycles @80% DOD	1250cycles@80% DOD	
Terminal	58kg	34.3kg	69kg
Dimension (mm)	552x125x310	183x207x358	357x211x358