



# Lead Carbon Battery Series 400~1500Ah





## ZIBO TORCH

CSIC Zibo Torch Energy Co., Ltd. is a State Owned Company. Stationary lead acid battery had been produced in Zibo Storage Battery factory since 1950 and VRLA stationary since 1990, we have been emphasizing in development and manufacture of lead acid stationary battery. We supply 2V, 6V, 12V, and 48V series stationary battery for decades.

Our products includes OPzV and CNJ series of gel solution battery, OPzS series of acid-proof battery, AGM series (GFM and GFME VRLA battery, CTM VRLA battery for telecommunication and lighting on vessel), Lead Carbon battery series, and Lithium battery series.

Our stationary bateries have advantages of excellent design, high tech and stable quality performance. Our products were awarded state silver medals and province high quality medals for many times. Our company got the certificates of ISO 9001, ISO14001, CE, CCS, TLC, and many more.

## APPLICATION PARTNERS



CHINA NATIONAL NUCLEAR COOPERATION



and Many More...

## CERTIFICATION

DIN40736 IEC60896-11 GB/T13337.1	ISO9001:2008	ISO14001:2004	GB/T28001-2001	EN61000-6-2:2005 EN61000-6-3:2007 EN60254-1:2005
<b>Execution Standard</b>	<b>Quality Management System</b>	<b>Environmental Management System (EMS)</b>	<b>OHSMS</b>	<b>CE Certificate</b>

## FEATURES



Reliable



Excellent for cycling applications



Long Lifetime  
20 years



Free Maintenance



Water proof  
IP65

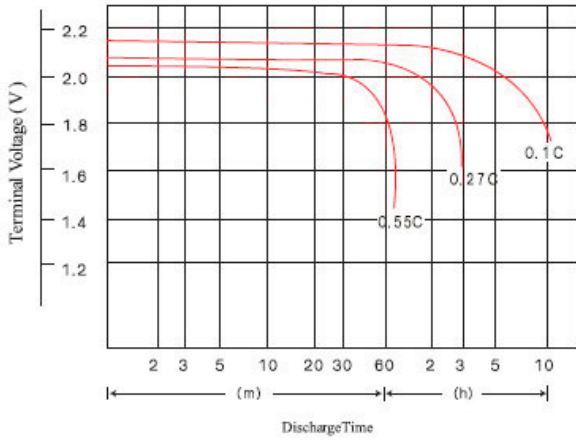
- Design Life 20 Years
- High Cycle Life
- Combine the advantage of lead acid Battery and supercapator
- Reduce sulfation of negative plate, excellent recharge acceptance performance
- Ideal for PSOC cycle application
- Water proof, anti-salt treatment, shockproof module installation design
- High Power, rapid charge/discharge
- Comply with IEC60896, IEC61427 etc. standard

## BATTERY LIST

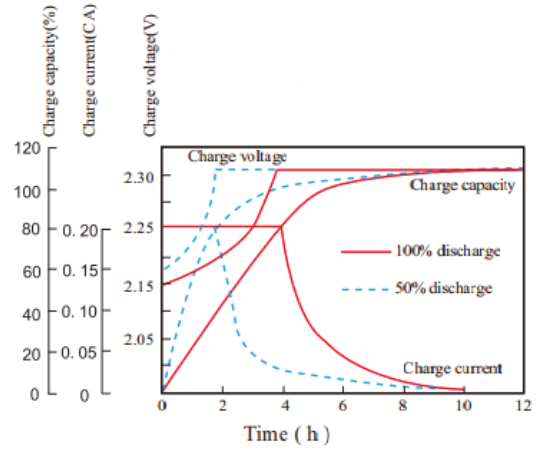
Battery Model	Nominal Voltage	Rated Capacity at 10h rate (Ah)	External Dimensions (mm)			Weight (kg)
			Length	Width	Height	
CN-400	2V	400	154	207	372	28.3
CN-500	2V	500	183	207	372	34.3
CN-600	2V	600	212	207	372	41.5
CN-800	2V	800	299	211	372	59
CN-1000	2V	1000	357	211	372	71.4
CN-1200	2V	1200	478	175	340	76
CN-1500	2V	1500	400	352	355	98

# TECHNICAL SPECIFICATIONS

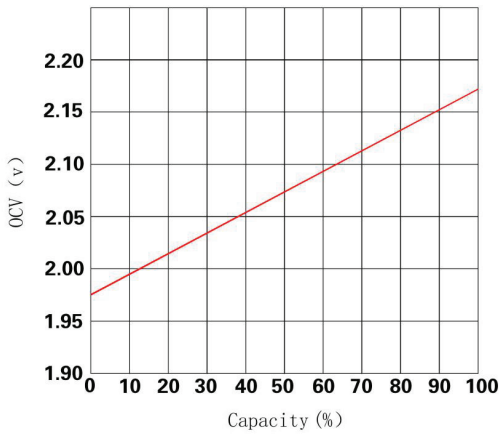
## Discharge Characteristic Curve (25°C)



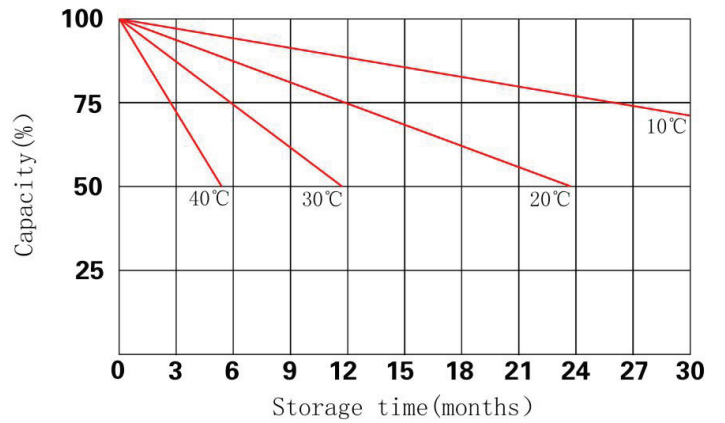
## Charge Characteristic Curve (25°C)



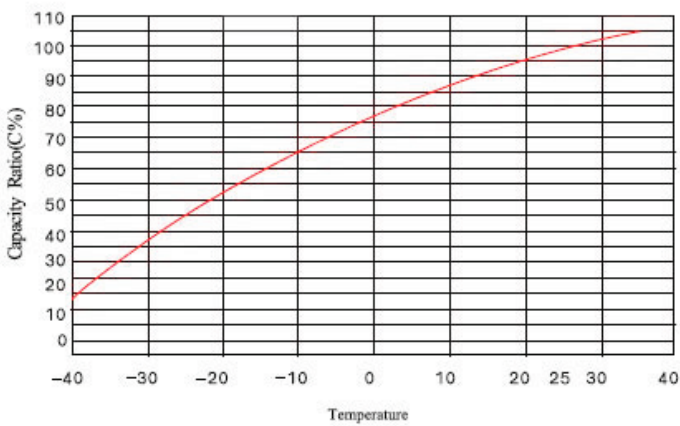
## Capacity vs OCV Curve



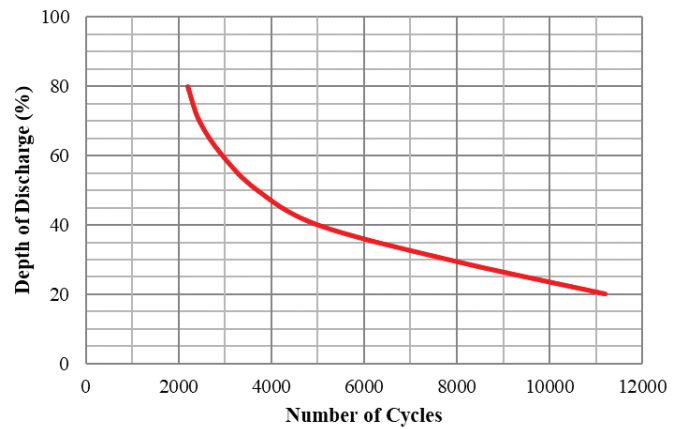
## Residue Capacity vs Storage Time



## Capacity vs Temperature Curve



## DOD vs Cycle Life



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