

# LEAD CARBON LLC SERIES



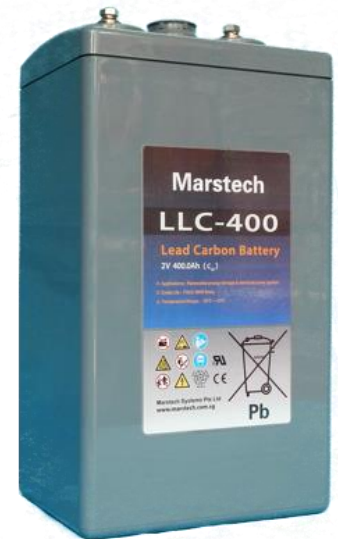
Marstech lead-carbon battery has been specially designed for renewable energy sources such as solar and wind power storage, based on advanced lead-carbon capacitance technology

## APPLICABLE FIELDS

Renewal energy storage systems (solar, wind, PV)  
Smart grid & micro-grid sites  
Mobile container storage system  
Peak load shifting energy storage system  
Oil and electricity hybrid energy storage system  
New energy communication base station, core computer room

## PRODUCT FEATURES

Adopt super carbon + deep cycle technology  
Outstanding PSOC cycle performance  
Horizontal installation, save space  
Integrating GEL and AGM technology, no liquid electrolyte  
Excellent quick charging acceptance, reduce charging time by 30%  
Cycle life: 60% DOD >4000@25°C  
Design life: 15 years @ 25°C



## SPECIFICATIONS

Nominal voltage 2V  
Float voltage charge at 25°C: 2.25 ~ 2.30V  
Boost charge/cyclic use: 2.40 ~ 2.50V  
Maximum charge current: 0.25 at C20 A  
Self-discharge at 20°C < 2% per month

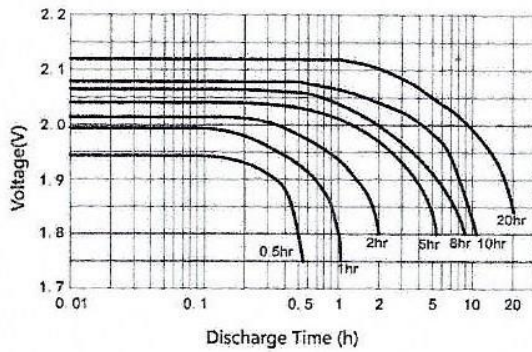
# LEAD CARBON

## LLC SERIES

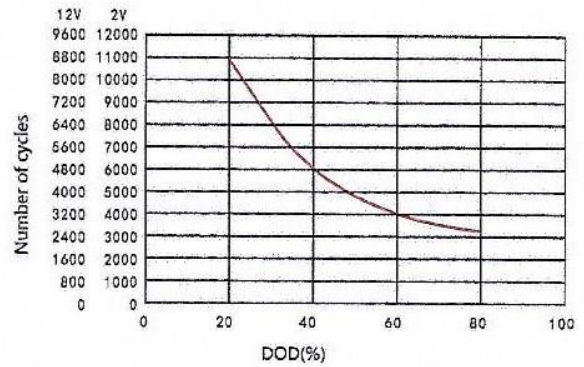


Battery Type	Voltage (V)	Capacity (C <sub>10</sub> @ 25°C)	Dimensions (mm)			Weight (kg)	Terminal
			Width	Depth	Height		
LLC-300	2	300Ah	207	125	372	23.4	M8
LLC-400	2	400Ah	207	154	372	29.7	M8
LLC-500	2	500Ah	207	183	372	35.5	M8
LLC-600	2	600Ah	207	212	372	41.5	M8
LLC-800	2	800Ah	211	299	372	59.0	M8
LLC-1000	2	1000Ah	211	357	372	71.4	M8

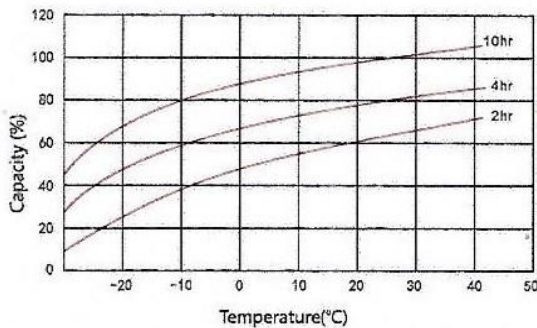
### ■ Discharge Characteristics



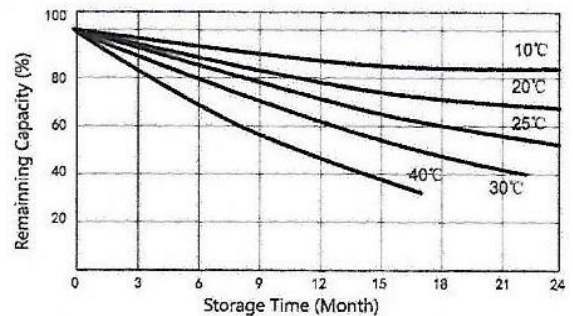
### ■ Cycle Life in Relation to Depth of Discharge



### ■ Temperature Effects in Relation to Battery Capacity



### ■ Self Discharge Characteristics



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**Marstech Systems Pte Ltd**