

# LBE51.2-650



## Features:

- Cells Type: **Ganfeng** brand new grade (A) with QR code.
- Long warranty period: 5 years.
- Higher energy density, smaller volume for household.
- Support connected in parallel mode Up to 15 pcs.
- ≥6000 Times deep cycle charge and discharge.
- Wall mounted, more space saving.
- The battery management system (BMS) features a touch function and a built-in smart and active balancer. It monitors the battery operation and prevents it from functioning outside the design limits.

## Specification

Model		LBE 51.2 -650
Nominal Voltage		51.2 V
Usable Capacity		33280 Wh
Operating Voltage Range		40-58.4 V
Recommend Charge & Discharge Current		≤200A
MAX. Charge & Discharge Current		500A@30S
DOD		>95 %
Scalability		Up to 15 units in parallel
Communication		CAN&RS485
Ingress Protection		IP21
Life Cycle		≥6000 @25 °C, 80 % DOD
Working Temperature Range		Discharge: -20 °C to+65 °C, Charge -10 °C to+55°C
Dimensions	Length	950 ±mm
	Width	680 ±mm
	Height	280 ±mm
Net Weight		About 252±1kg

## Performance

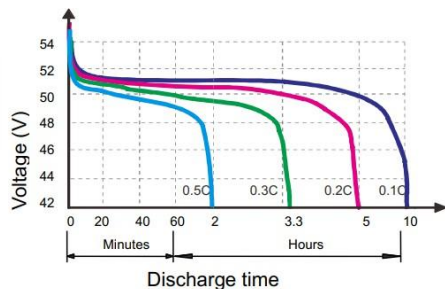
### ● Constant Current Discharge Data (Amperes @ 25°C)

Discharge Time	1h	2h	3h	4h	5h	10h	20h
Cut off voltage (42.0V)	200A	200A	216A	162A	130A	65A	32.5A

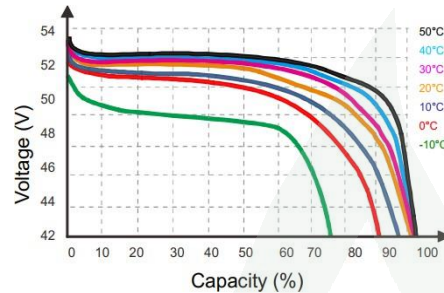
### ● Constant Current Discharge Data (Amperes @ 25°C)

Discharge Time	1h	2h	3h	4h	5h	10h	20h
Cut off voltage (42.0V)	10240W	10240W	10240W	8320W	6656W	3328W	1664W

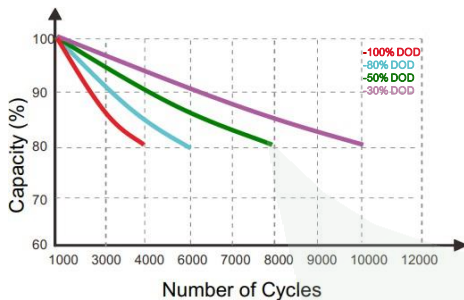
Discharge characteristics (25°C)



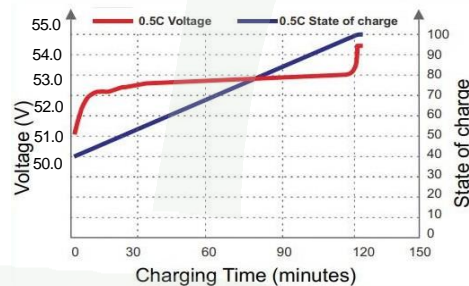
Different temperature Discharge curve (0.5C)



Discharge DOD discharge cycle life curve (0.2C, 25°C)



State of charge curve (0.5C, 25°C)



Note 1: Please always refer to the latest edition of our technical manual that published on our website to ensure safe and efficient operation.

Note 2: When make parallel connection, please full discharge batteries, then recharge after parallel connected; when series connect, please keep batteries with same remain capacity.