

VRLA Battery- AGM Series

VRLA Battery- GEL Series

VRLA Battery- High Temperature Series

VRLA Battery- OPzV Series

VRLA Battery- Pure lead Series
Flooded Battery- OPzS Series

## BU512V50

- Flame retardant system to UL94V-0
- Good high temperature performance
- High cycle times and long service life
- Safe Lithium Iron Phosphate Technology
- Thousands of cycles, under normal conditions
- $\blacksquare$  High energy density and conversion efficiency
- Environmental Friendly, without any heavy metals
- Complete with Battery Management System built-in
- Can use most standard VRLA chargers for this system
- Low self discharge rate of 2 years before required recharging
- Easy installation, can be in 19-inch standard cabinet
- Built-in automatic protection for over-charge, over-discharge & over-temperature conditions



## Characteristic

Item	Specification					
Model	BU512V50					
Rated Capacity (5HR)	50Ah					
Nominal Voltage	512V					
Discharge Ending Voltage	432V					
Charging Limited Voltage	576V					
Max. Charging Current	25A					
Max. Continue Discharging Current	100 A					
Weight	Approx.430Kg					
Display	Without LCD display					
Parallel Connection	Parallel connection is optional (up to 10P).					
Dimensions (W*D*H) mm (inches)	600* 800* 2000 mm					
Cell	3.2V50Ah					
Design life	More than 15 years					
Cycle Life	More than 2500 cycles					
IP Class	IP31					
Outer Package Material	Black bake lacquer steel case (battery rack or cabinet is optional)					
Operating Temperature	Charging: 0 to +55°C Discharging: -20 to +65°C Storage: -20 to +65°C					

## **Discharge Table**

Constant Current Discharge Table (Amperes) at $25^{\circ}$									
Model	Voltage Time	15min	30min	1 h	2 h	10 h			
BU512V100-90KW	E.O.V 432 V(maximum)	N/A	100A	50A	25A	5A			

Constant Power Discharge Table (Watts) at 25°C									
Model	Voltage	15min	30min	1 h	2 h	10 h			
BU512V100-90KW	E.O.V 432 V(maximum)	N/A	50kW	25kW	12.5kW	6.2kW			

The information in this document is subject to change without notice.

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