

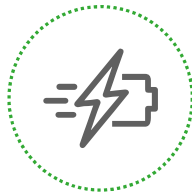
# LITHIUM-ION BATTERY

# WAAREE | ESS

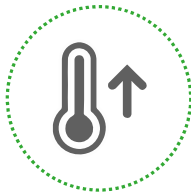
**YOUR POWER INSURANCE**



High Energy  
Density



Fast Charging  
Application



Wide Operating  
Temperature



No Money  
Effect



Environment  
Friendly



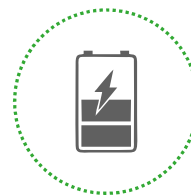
Long  
Storage Life



No Maintenance  
Required



Customizable  
Shape & Size



Efficient battery  
with True Capacity



Light Weight &  
Small in Size

# LITHIUM-ION BATTERY

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LITHIUM ION BATTERY

## SPECIFICATION

Nominal Voltage	12.8V	12.8V	12.8V	12.8V
Ah Capacity	12 Ah	18Ah	24 Ah	30 Ah
Wh Capacity	153 Wh	230 Wh	307 Wh	384 Wh
Recommended charging current	5A (Max)	6A (Max)	7A (Max)	9A (Max)
Recommended charging voltage	14.6V ±0.2V	14.6V ±0.2V	14.6V ±0.2V	14.6V ±0.2V
Cell Balancing	Yes	Yes	Yes	Yes
Discharge Current	5A max.	9A max.	12A max.	15A max.
Recommended Operating Range	10V-15.2V ±0.5V			
Operating Temperature	-10 To 60 °C			
Storage Temperature	-10 to 45 °C			
Output Humidity	0 - 90% Rh non condensing			
BMS Feature	Protection against Deep Discharge & Over Charge, Cell Balancing, Short Circuit & Temperature Compensation			
Cycle Life	>2500 at 100% DOD			
(full charge to full discharge @ 25 deg C				
Battery Warranty	5 Years *As per Company Norms			
Voltage Range	10V - 15.2V ±0.5V			
Configuration	Series & Parallel combination			

## SPECIFICATION

Nominal Voltage	12.8V	12.8V	12.8V
Ah Capacity	42 Ah	66 Ah	72 Ah
WhCapacity	538 Wh	845 Wh	922 Wh
Recommended charging current	5A (Max)	10A (Max)	10A (Max)
Recommended charging voltage	14.6V ±0.2V	14.6V ±0.2V	14.6V ±0.2V
Cell Balancing	Yes	Yes	Yes
Discharge Current	21A max.	33A max.	36A max.
Recommended Operating Range	10V-15.2V ±0.5V		
Operating Temperature	-10 To 60 °C		
Storage Temperature	-10 to 45 °C		
Output Humidity	0 - 90% Rh non condensing		
BMS Feature	Protection against Deep Discharge & Over Charge, Cell Balancing, Short Circuit & Temperature Compensation		
Cycle Life	> 2500 at 100% DOD		
(full charge to full discharge @ 25 deg C			
Battery Warranty	5 Years *As per Company Norms		
Voltage Range	10V - 15.2V ±0.5V		
Configuration	Series & Parallel combination		

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