



## E-BIKE BATTERY BATTERY SPECIFICATION OF 72V 60AH

MODEL NO	BBS7260	BBSI 7260
CELL CONFIGURATION	20S12P	23S 4P
CELL DETAILS	5000mAh, 3C	15000mAh, 3C
CELL CHEMISTRY	NMC	LFP
NOMINAL VOLTAGE	72 VOLT	72 VOLT
FULL CHARGE VOLTAGE	80 VOLT	76.82 VOLT
FULL DISCHARGE VOLTAGE	60 VOLT	62.1 VOLT
CHARGE CUTT OFF VOLTAGE	84 VOLT	843.95VOLT
MODEL CAPACITY	60 Ah	60 Ah
CHARGE METHOD	CC/CV	CC/CV
CONSTANT CHARGE CURRENT	15 A	15 A
CONSTANT DISCHARGE CURRENT	60 A	60 A
PEAK DISCHARGE OF BMS	100 A	100 A
PORT SAMEPORT	WATER PROFF	WATER PROFF
LIFE CYCLE	2500	4000
WARRANTY	3 YEAR	3 YEAR
COOLING METHOD	NATURAL	NATURAL
PROTECTION OF BMS		
OVERCHARGE	OVERDISCHARGE, OVER OVER CURRENT,	OVERDISCHARGE, OVER OVER CURRENT,
TEMPERATURE	SHORTCIRCUIT	SHORTCIRCUIT
CASING	CASING METAL	CASING METAL
APPLICATION	E BIKE	E BIKE



## E BIKE BATTERY SPECIFICATION

### Super Mexx Intelligent E-Bike Battery

#### Description:

- The Cell with Lithium iron phosphate technology has high safety and long service life.
- The built-in intelligent BMS battery pack management system can effectively prevent battery overcharge, over-discharge, overcurrent, and overtemperature.
- Standard Metal box design, easy to install.
- Maintenance-free.
- Lightweight: About 40% ~50% of the weight of a comparable lead-acid battery.
- Internal cell balancing.

Category: [E-Bike Battery](#)

#### Description

Specification for E-Bike Battery

Battery Pack Description

60V 24Ah

BMS Rating

19S 40A NMC

Energy (Wh) & 25 °C

1800

Range(Kms)/Charge

90

Dimension(mm)LxWxH

265x180x175

Weight(kg)

13

Standard Charging Current @ 0.2C

6A

Discharging Current@0.5C

15A

Cell & Format

ICR18650,16S12P





# E CYCLE BATTERY SPECIFICATION



## CHARGER SPECIFICATION

1. NEV 150WP-36VOLTS 2 AMPS-
2. INPUT- 170-270 VAC,0.8-1 A, 47-63 HZ,  
EFFICIENCY >= 91%
3. OUTPUT- MAX. VOL- 42 V DC / MIN. VOL-30V  
MAX CURRENT-3A / MAX POWER - 145 W  
MODES-TRICKLE,CC,CV / PIN CONNECTOR
4. MAX CASING TEMP 55 DEGREE



## BATTERY SPECIFICATION

<b>Make</b>	<b>WAKKAI BAK CELL ( BIS APPROVED)</b>
<b>Operating Volt:</b>	36V, +/-6V
<b>Capacity</b>	7.5Ah
<b>Operating temp:-</b>	10 to 55degree
<b>No.of charge cycles:</b>	850-100
<b>Warranty:</b>	2 years
<b>DOD:</b>	`90%
<b>Cell type and make</b>	BAK/CHAM
<b>C-rating:</b>	3C @ Discharge, 0.25c @ Charge, 1C @ cont.Discharge
<b>Cell Voltage and AH:</b>	` 3.7v(+/-0.6V),2.4Ah
<b>No.of cells in parrallel:</b>	`3
<b>No.of cells in series:</b>	`10
<b>No.of modules:</b>	`3
<b>BMS -FUNCTIONS:</b>	Hardware Type
<b>Type</b>	STANDARD
<b>Over voltage cutt off-</b>	42V
<b>Under voltage cut off</b>	30V
<b>Over charge &amp; Discharge cut off</b>	20:20:00
	Over temperature cutt off, Balancing SOC & DOD of each cell/module.

### NOTE:

**BIS- STANDS FOR Bureau of Indian Standards**  
BIS certificate is mandatorily required for Sealed Secondary Portable Lithium System Batteries or Cells in accordance with IS 16046

**Indian Standard IS 16270:2014.**



## BIS Registration for Lithium-Ion Battery

As per this standard, a BIS certificate is mandatorily required for Sealed Secondary Portable Lithium System Batteries. This standard specifies Safety Requirements for Portable Sealed Secondary Cells and Batteries like a lithium-ion cells for Use in Portable Applications.

Why do we need BIS?

BIS has been providing traceability and tangibility benefits to the national economy in a number of ways – providing safe reliable quality goods; minimizing health hazards to consumers; promoting exports and imports substitute; control over proliferation of varieties etc.

Is BIS mandatory for Indian manufacturers?

BIS certification scheme is basically voluntary in nature. However, for a number of products compliance to Indian Standards is made compulsory by the Central Government under various considerations viz.

What is the difference between ISO and BIS?

While ISO is an international organisation that creates and promotes standards for a wide range of industries and sectors, BIS is a national organisation that primarily sets standards for industries and sectors within India.





# ELECTRIC AUTO RIKSHAW BATTERY SPECIFICATION



## Battery Pack Safety Features

- Cabinet IP67
- BMS Microcontroller Based.
- BMS EMI EMC Approved.
- BMS Protections (over current, over Voltage, temperature etc.)
- Risk to by Standard Mitigation Measures
- Audio Visual Alarm For Thermal Propagation
- Pressure Release Vent
- 4 Temperature Sensors
- Protection Fuse
- BMS Data logging As Per IS17387

Descriptions	Specifications
Battery Model	48 / 60V— 1 0 0Ah
Cell Specification	3.2V 100 Ah
Configuration	19S1P
Type of Cell	LFP PRISMATIC
BMS	19S100A SW SMART
Nominal Capacity	1 00Ah
Nominal Voltage	60.8 V
Charging Mode	CC-CV
Voltage Range	57V 69.35V
Charging Current (A)	Recommended 0.3C, Maximum 0.5C
Continuous Discharging Current (A)	Recommended 0.5C, Maximum 1.0C
Pulsed Discharge Current (A)	Maximum 150+20A for 10S
Total Energy	6. 08kWh
Cell Under Voltage Protection level	3.00i:0.02V
Cell Under Voltage Protection Recovery level	3.10i:0.02V
Cell Over Voltage Protection level	3.65i:0.05 V
Cell Over Protection Recovery level	3.50i:0.05V
Balancing Start Voltage level	3.40a:0.05V @35mA
Working Temperature Range	-20°C~60°C; humidity = 85(Discharging)0°C~55°C; humidity = 85% (Charging)
Battery Cabinet	Metal IP67
Battery Pack Weight	Net Wt. - 70 Kg (Approx.)
Battery Dimension	590X300X26 5i:2 MM
Power Connector	SB75X For Charging & SB120 For Discharging
Short Circuit Protection	Yes
Over Charge Protection	Yes
Cell Balancing	Yes
Communication	CAN 2.0B



**THANK YOU !!!**