



SORA CELL

INSPIRED BY JAPANESE TECHNOLOGY

"Power That Lasts, Performance You Trust."
Advanced Lithium-ion Solutions
for a Greener Tomorrow



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Regional Office : Near Water Head Tank, Jal Grih Marg , Bhatagaon, Raipur



E-RICKSHAW BATTERY



High Energy density



Faster Charging Acceptance



Longer Lifespan



Zero Maintenance



High mileage



IP67 Rating



SPECIFICATION	10.24KW	5.12KW
Battery Model	51.2V 200Ah	51.2V 100Ah
Cell Specification	LFP	LFP
Configuration	16S 2P	16S 1P
Type of Cell	Prismatic	Prismatic
Life Cycle	>2500	>2500
BMS	SMART/HARDWARE	SMART/HARDWARE
Nominal Capacity	200AH	100AH
Nominal Voltage	51.2V	51.2V
Charging Mode	CC-CV	CC-CV
Voltage Range	44.8V~58.4V	44.8V~58.4V
Charging Current (A)	Recommended 0.3C Maximum 0.5C	Recommended 0.3C Maximum 0.5C
Continuos Discharging Cur. (A)	Recommended 0.5C Maximum 1C	Recommended 0.5C Maximum 1C
Total Energy	10.24KW	5.12KW
Cell Under Voltage Protection	2.80+0.02V	2.80+0.02V
Cell Under Voltage Recovery Level	3.0+0.02V	3.0+0.02V
Cell Over Voltage Protection level	3.65+0.05V	3.65+0.05V
Cell Over Voltage Recovery Level	3.50+0.05V	3.50+0.05V
Balancing Start Voltage level	3.40+0.05V	3.40+0.05V
Working Temperature Range	Charge : -10~65°C; Discharge : -20~75°C	Charge : -10~65°C; Discharge : -20~75°C
Battery Cabinet	METAL CABINET	METAL CABINET
Battery pack Weight	85 Kg	46 Kg
Battery Dimension	460mm x 580mm x 310mm	554mm x 377mm x 200mm
Power Connector	AS PER CUSTOMER	AS PER CUSTOMER
Short Circuit	YES	YES
Protection	YES	YES
Over Charge Protection	YES	YES
Cell Balancing	YES	YES
Communication	YES	YES
Additional Protection	Fuse 200A	Fuse 100A
DoD	95%	95%

TWO WHEELER BATTERY

LITHIUM-ION



High Energy density



Faster Charging Acceptance



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Zero Maintenance



High mileage



IP67 Rating



SPECIFICATION	48V 30AH	60V 30AH
Battery Model	48 v 30	60 v 30
Cell Specification	NMC	NMC
Cell Capacity	2600 mAh	2600 mAh
Configuration	13S 12P	16S 12P
Type of Cell	Cylindrical	Cylindrical
Life of Cell	>2400	>2400
BMS	Smart/Hardware	Smart/Hardware
Nominal Capacity	30Ah	30Ah
Nominal Voltage	48V	60V
Charging Mode	CC-CV	CC-CV
Voltage Range	37.7-54.6	46.4-67.2
Charging Current (A)	Recommended 0.3C , Maximum 0.5C	Recommended 0.3C , Maximum 0.5C
Continues Discharge (A)	Recommended 0.5C , Maximum 1C	Recommended 0.5C , Maximum 1C
Total Power	1.44 KWh	1.8 KWh
Cell Under Voltage Protection Level	2.90+ _ 0.2 V	2.90+ _ 0.2 V
Cell Under Voltage Protection Recovery Level	3.0+ _ 0.2 V	3.0+ _ 0.2 V
Cell Over Voltage Protection Level	4.20 +- 0.5 V	4.20 +- 0.5 V
Cell Over Voltage Recovery Protection Level	4.15 +- 0.5 V	4.15 +- 0.5 V
Balancing Start Voltage Level	3.80 + _ 0.5 v (35 mA)	3.80 + _ 0.5 v (35 mA)
Working Temperature Range	Charge : 10 - 65 C : Discharge -20-75C	Charge : 10 - 65 C : Discharge -20-75C
Battery Cabinet	METAL CABINET	METAL CABINET
Power Pack Weight	12 Kg	13 Kg
Dimension	156 mm X 154 mm X 303	154 mm X 174 mm X 305
Connector	AS PER CUSTOMER	AS PER CUSTOMER
Cell Balancing	YES	YES
Short Circuit Protection	YES	YES
Over Charge Protection	YES	YES
Cummunication	YES	YES
DoD	90%	90%

INVERTER BATTERY

LITHIUM-ION (LFP)

SafeCell Lithium Technology



High Energy density



Faster Charging Acceptance



Longer Lifespan



Zero Maintenance



IP67 Rating



60 MONTHS
WARRANTY



ICS | INTELLIGENT CHARGE SYSTEM
FOR FASTER, LONGER
& SAFER POWER

Integrated with
BMS | BATTERY
MANAGEMENT
SYSTEM

SPECIFICATION	12.8V 100AH	12.8V 200AH
Battery Model	VLN - Prime100	VLN - Prime200
Cell Specification	LFP	LFP
Cell Capacity	100 Ah	100 Ah
Configuration	4S 1P	8S 1P
Type of Cell	Prismatic	Prismatic
Life of Cell	>4000	>4000
BMS	Hardware/Smart	Hardware/Smart
Nominal Capacity	100Ah	200Ah
Nominal Voltage	12.8 V	12.8 V
Charging Mode	CC-CV	CC-CV
Voltage Range	11.2 - 14.6	11.2 - 14.6
Charging Current (A)	Recommended 0.3C , Maximum 0.5C	Recommended 0.3C , Maximum 0.5C
Continues Discharge (A)	Recommended 0.5C , Maximum 1C	Recommended 0.5C , Maximum 1C
Total Power	1.12 Kwh	2.48 Kwh
Cell Under Voltage Protection Level	2.80+ _ 0.2 V	2.80+ _ 0.2 V
Cell Under Voltage Protection Recovery Level	3.0 + _ 0.5 V	3.0 + _ 0.5 V
Cell Over Voltage Protection Level	3.65 + _ 0.5 V	3.65 + _ 0.5 V
Cell Over Voltage Recovery Protection Level	3.50+ _ 0.5 V	3.50+ _ 0.5 V
Balancing Start Voltage Level	3.40 + _ 0.5 V	3.40 + _ 0.5 V
Working Temperature Range	Charge : 10 - 65 C : Discharge -10-65C	Charge : 10 - 65 C : Discharge -10-65C
Battery Cabinet	Metal	Metal
Power Pack Weight	14 Kg	30 Kg
Dimension	12 Inch H X 16 Inch Width X 6 inch Depth	24 Inch H X 16 Inch Width X 6 inch Depth
Connector	As Per Customer	As Per Customer
Cell Balancing	Yes	Yes
Short Circuit Protection	Yes	Yes
Over Charge Protection	Yes	Yes
Cummunication	Yes	Yes
DoD	90%	90%vv

HYBRID + ESS LITHIUM-ION (LFP) SafeCell Lithium Technology



High Energy density



Faster Charging Acceptance



Longer Lifespan



Zero Maintenance



IP67 Rating



ICS | INTELLIGENT CHARGE SYSTEM
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Integrated with
BMS | BATTERY
MANAGEMENT
SYSTEM

SPECIFICATION	51.2 V 100AH
Battery Model	VLN - Pro100
Cell Specification	LFP
Cell Capacity	100 Ah
Configuration	16S 1P
Type of Cell	Prismatic
Life of Cell	>4000
BMS	Smart
Nominal Capacity	100Ah
Nominal Voltage	51.2 V
Charging Mode	CC-CV
Voltage Range	44.8 V 58.4 V
Charging Current (A)	Recommended 0.3C , Maximum 0.5C
Continues Discharge (A)	Recommended 0.5C , Maximum 1C
Total Power	5.12 Kwh
Cell Under Voltage Protection Level	2.80+ _ 0.2 V
Cell Under Voltage Protection Recovery Level	3.0 + _ 0.5 V
Cell Over Voltage Protection Level	3.65 + _ 0.5 V
Cell Over Voltage Recovery Protection Level	3.50+ _ 0.5 V
Balancing Start Voltage Level	3.40 + _ 0.5 V
Working Temperature Range	Charge : 10 - 65 C : Discharge -20-75C
Battery Cabinet	Metal
Power Pack Weight	50 Kg
Dimension	48 Inch H X 16 Inch Width X 6 inch Depth
Connector	As Per Customer
Cell Balancing	Yes
Short Circuit Protection	Yes
Over Charge Protection	Yes
Cummunication	Yes
DoD	90%

SMF BATTERY

LITHIUM-ION (LFP)

SafeCell Lithium Technology



High Energy density



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Zero Maintenance



IP67 Rating



**UPS SYSTEMS , TELECOMMUNICATION EQUIPMENT'S ,
FIRE ALARM & SECURITY SYSTEMS , OFFICE AUTOMATION
EQUIPMENT'S , EPABX & ELECTRONIC WEIGHING SCALE ETC.**

SPECIFICATION	Solar & Utility Battery
Battery Model	Utility Battery
Cell Specification	LFP
Cell Capacity	6Ah to 60 Ah
Configuration	4S 1P X 16S 1P
Type of Cell	Cylindrical
Life of Cell	>3500
BMS	Smart
Nominal Capacity	6Ah to 60 Ah
Nominal Voltage	12.8 V
Charging Mode	CC-CV
Voltage Range	11.2 - 14.6
Charging Current (A)	Recommended 0.3C , Maximum 0.5C
Continues Discharge (A)	Recommended 0.5C , Maximum 1C
Total Power	72 Watt 720 Watt
Cell Under Voltage Protection Level	2.80+ _ 0.2 V
Cell Under Voltage Protection Recovery Level	3.0 + _ 0.5 V
Cell Over Voltage Protection Level	3.65 + _ 0.5 V
Cell Over Voltage Recovery Protection Level	3.50+ _ 0.5 V
Balancing Start Voltage Level	3.40 + _ 0.5 V
Working Temperature Range	Charge : 10 - 65 C : Discharge -10-65C
Battery Cabinet	Softpack / Plastic Box with Terminal
Power Pack Weight	700 Gm to 10 KG
Dimension	As Per Customer
Connector	As Per Customer
Cell Balancing	Yes
Short Circuit Protection	Yes
Over Charge Protection	Yes
Cummunication	Yes
DoD	90%



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ABOUT COMPANY

Sora Cell by Sky e-Mobility and Energy is committed to shaping a cleaner, greener, and more sustainable future. Our company focuses on delivering advanced green energy solutions that can sustain long-term environmental balance and support next-generation mobility needs.

We believe that the future of energy and transportation must be renewable, efficient, and eco-friendly. With this vision, we integrate modern innovation with high-performance engineering to build reliable solutions for today and tomorrow.

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