



SCION

ENERGY STORAGE



CORPORATE OFFICE

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MANUFACTURING UNIT

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REGISTERED OFFICE:

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Scion Energy Storage is the bridge from the current limitations on power consumption to transforming the way we empower our world in the future. Energy storage technologies are critical for this transformation. Today, lithium batteries technology is the answer to this need.

Founded in the year 2018, Scion Energy Storage is a part of GITA GROUP (established 1950) having substantial interest in diversified business activities ranging from hydro and renewable Energy generation, manufacturing concrete poles for electricity distribution, manufacturing special transmission steel wires & strands (ACSR wires) and conductors.

CUSTOMIZED LITHIUM ION BATTERY SOLUTIONS



STATIONARY/ NON-STATIONARY APPLICATIONS

Telecom towers, micro-grids, solar lighting systems, commercial and industrial backup systems and electric vehicles



STATE-OF-ART PRODUCTION AND TESTING

Charge/discharge Q.C checks, vibrational, thermal, penetration & abuse tests are conducted efficiently



BATTERY PACKS WITH CHEMISTRIES

Ranging from LFP (LiFePo4), NMC and LCO



COLLABORATIONS

Technical collaborations with world renowned institutions and its advisory committee on board



HARD & SOFT BATTERY PACKS

We manufacture more than 500 types of 1-32S hard and soft battery packs with over 20 types of BMS with SMBUS



EXPERTISE

Technical expertise for comprehensive designing, engineering and manufacturing customized solutions



IEC STANDARDS

We comply with IEC 62133, IEC 62281 and IEC 61960 standards



CAPACITY

Enhancing production capacity with 2 MWh/year

PRODUCT RANGE

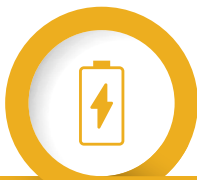
We offer diverse range of products :

1. Cylindrical Cells - Size from 14430 to 32650
2. Prismatic Cells
3. Lithium Polymer Cells
4. Customized Lithium-ion battery packs & Lithium Ferrous Phosphate battery packs for all types of EVs, all types of solar & off grid applications
5. Lithium ion battery chargers (SMPS based)

ADVANTAGES OF LITHIUM ION BATTERY



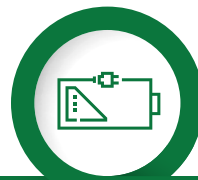
FAST CHARGING
90% charged
in 2 hours,
100% in 3 hrs



LONG LASTING BATTERY LIFE
Service Life
2000-3000
cycles



TEMPERATURE RANGE
Operates at
-10°C to 60°C



LOW SELF DISCHARGE RATE
Less than 2%

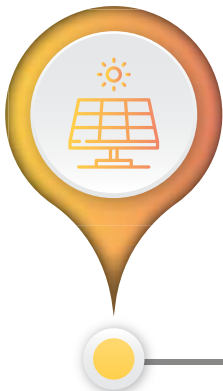


ZERO MAINTENANCE COST
No need of
extra main-
tenance



LIGHT WEIGHT
Higher
Energy
Density

APPLICATIONS



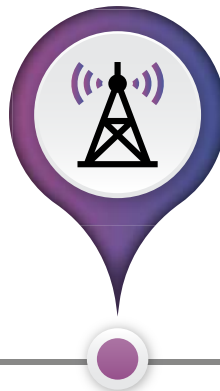
SOLAR



EV
(EV, HEV, PHEV)



DEFENSE /MILITARY



TELECOM



RAILWAY



ENERGY STORAGE SYSTEMS

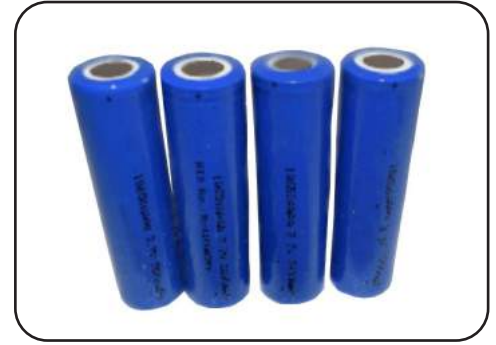
LITHIUM ION CELLS (Li-ion)



3.7V 2200mAh cells



3.7V 2600mAh cells



3.7V 2000mAh cells

3.7V CYLINDRICAL

Sr. No.	Chemistry	Model	Capacity (mAh)	Size (mm)	Weight (gms)	Discharge Current Rate
1.	N M C	SES-NM20	2000	18650	50	3C
2.		SES-NM22	2200	18650	52	3C
3.		SES-NM25	2500	18650	55	3C
4.	Li - I O N	SES-LI01	1500	18650	37.0	1C
5.		SES-LI02	2000	18650	43.5	1C
6.		SES-LI22	2200	18650	45	1C
7.		SES-LI26	2600	18650	48	3C
8.		SES-LI29	2900	18650	50	3C
9.		SES-LI30	3000	18650	52	6C

3.7V PRISMATIC

Sr. No.	Model	Capacity (mAh)	Size (mm)	Weight (gms)
1.	SES-PI020	200	Rectangular	7.8
2.	SES-PI025	250	Rectangular	10.8
3.	SES-PI045	450	Rectangular	12.5
4.	SES-PI055	550	Rectangular	14.5
5.	SES-PI085	850	Rectangular	20.5
6.	SES-PI100	1000	Rectangular	21.2
7.	SES-PI400	4000	Rectangular	23.8
8.	SES-PI600	6000	Rectangular	31.0

LITHIUM POLYMER CELLS (LiPo)



3.7V 220mAh cells



3.7V 450mAh cells



3.7V 550mAh cells



3.7V 2000mAh cells



3.7V 9000mAh cells



3.7V 850mAh cells

Sr. No.	Model	Capacity (mAh)	Size (mm)	Weight (gms)
1.	SES-LP04	400	Rectangular (soft pouch)	8.1
2.	SES-LP05	550	Rectangular (soft pouch)	12.4
3.	SES-LP10	1000	Rectangular (soft pouch)	19.8
4.	SES-LP15	1500	Rectangular (soft pouch)	29.5
5.	SES-LP20	2000	Rectangular (soft pouch)	39.0
6.	SES-LP23	2300	Rectangular (soft pouch)	44.5
7.	SES-LP30	3000	Rectangular (soft pouch)	62.5
8.	SES-LP40	4000	Rectangular (soft pouch)	70.0

LITHIUM FERROUS PHOSPHATE CELLS (LiFePO4)



3.2V 5000mAh cells



3.2V 3300mAh cells



3.2V 3000mAh cells

3.2V Cylindrical

Sr. No.	Model	Capacity (mAh)	Size (mm)	Weight (gms)	Discharge Current Rate
1.	SES-LF05	500	14500	30	1C
2.	SES-LF15	1500	18650	42.0	1C
3.	SES-LF15	3000	26650	80.0	1C
4.	SES-LF32	3200	26650	85.0	1C
5.	SES-LF50	5000	32650	148.0	6C
6.	SES-LF60	6000	32700	148.0	6C

3.2V Prismatic

Sr. No.	Model	Capacity (mAh)	Size (mm)	Weight (gms)
1.	SES-LF10P	10000	Rectangular	330
2.	SES-LF15P	15000	Rectangular	580
3.	SES-LF20P	2000	Rectangular	880
4.	SES-LF40P	4000	Rectangular	1890
5.	SES-LF75P	75000	Rectangular	2290
6.	SES-LF80P	80000	Rectangular	2950

CUSTOMIZED BATTERY PACKS FOR SOLAR



11.1V 5.2Ah battery packs



7.4V 4.4Ah battery packs



14.8V 5.2Ah battery packs

Lithium Ion (Li-ion) Battery Packs

Sr. No.	Pack Model	Pack Voltage (V)	Pack Capacity (Ah)	Size (mm*mm*mm)	Weight (gms)
1.	SES-LI1S2P	3.7	4	19 *38 *85	90
2.	SES-LI1S4P	3.7	8	19* 76 *85	180
3.	SES-LI2S2P	7.4	4	38*38*85	180
4.	SES-LI3S3P	11.1	6.6	57*57*85	405
5.	SES-LI3S4P	11.1	8.8	57*76*85	540
6.	SES-LI3S7P	11.1	15.4	57*133*85	945
7.	SES-LI4S4P	14.8	10.4	76*76*85	720
8.	SES-LI4S8P	14.8	20.8	76*152*85	1440



6.4V 6Ah battery packs



6.4V 1.5Ah battery packs



12.8V 9Ah battery packs

Lithium Ferrous Phosphate (LiFePO4) Battery Packs

Sr. No.	Model	Voltage (V)	Capacity (Ah)	Size (mm)	Weight (gms)
1.	SES-LF1S2P	3.2	6	27*54*85	150
2.	SES-LF2S4P	6.4	12	54*108*85	600
3.	SES-LF4S1P	12.8	3.2	108*27*85	300
4.	SES-LF4S2P	12.8	6.4	108*54*85	600
5.	SES-LF4S3P	12.8	18	132*99*85	1320
6.	SES-LF4S6P	12.8	36	132*198*85	2640

CUSTOMIZED BATTERY PACKS FOR E-Bicycle



36V 12Ah battery packs



Battery Casing



24V 12Ah battery packs

Lithium ion (Li-ion) battery pack

Sr. No.	Model	Voltage (V)	Pack Capacity (Ah)	Size (mm)	Weight (gms)
1.	SES-LI7S4P	24	10.4	133*76*85	1260
2.	SES-LI7S6P	24	12	133*114*85	1890
3.	SES-LI7S8P	24	20.8	133*152*85	2520
4.	SES-LI10S4P	36	10.4	190*76*85	1800
5.	SES-LI10S8P	36	20.8	190*152*85	3600

Lithium Ferrous Phosphate (LiFePO4) Battery Packs

Sr. No.	Model	Pack Voltage (V)	Pack Capacity (Ah)	Size (mm)	Weight (gms)
1.	SES-LF8S2P	24	6	108*27*85	0.3
2.	SES-LF8S2P	24	12	108*189*85	2.1
3.	SES-LF12S2P	36	12	216*54*85	1.2
4.	SES-LF12S3P	36	18	216*108*85	2.4
5.	SES-LF15S4P	48	24	297*162*85	4.95

CUSTOMIZED BATTERY PACKS FOR ELECTRIC VEHICLES (E-BIKES, E-RICKSHAWS)



60V 30Ah



48V 26Ah



72V 30Ah

Lithium ion (Li-ion) battery packs

Sr. No.	Pack Model	Pack Voltage (V)	Pack capacity (Ah)	Size (mm*mm*mm)	Weight (kgs)
1.	SES-LI13S8P	48	20	57*152*85	1.08
2.	SES-LIO9S6P	48	26	171*114*85	2.43
3.	SES-LI13S15P	48	40	247*285*85	8.775
4.	SES-LI13S38P	48	100	247*722*85	22.23
5.	SES-LI16S8P	60	20	304*152*85	5.76
6.	SES-LI16S12P	60	30	304*228*85	8.64
7.	SES-LI19S11P	72	30	361*209*85	9.405
8.	SES-LI19S31P	72	80	361*589*85	26.505

Lithium Ferrous Phosphate (LiFePO4) Battery Packs

Sr. No.	Model	Voltage (V)	Capacity m(Ah)	Size (mm)	Weight (gms)
1.	SES-LF05	48	20	405*162*85	6.75
2.	SES-LF15	48	26	405*216*85	9
3.	SES-LF15	60	20	513*162*85	8.55
4.	SES-LF32	60	30	627*165*85	10.45
5.	SES-LF50	72	30	726*165*85	12.1

LITHIUM ION BATTERY CHARGER



Sr. No.	Pack Model	Voltage (V)	Capacity (Ah)
1.	SES-CG2402	24	2
2.	SES-CG2405	24	5
3.	SES-CG4805	48	5
4.	SES-CG4810	48	10
5.	SES-CG4820	48	20
6.	SES-CG6020	60	20

*Customized ratings also available

