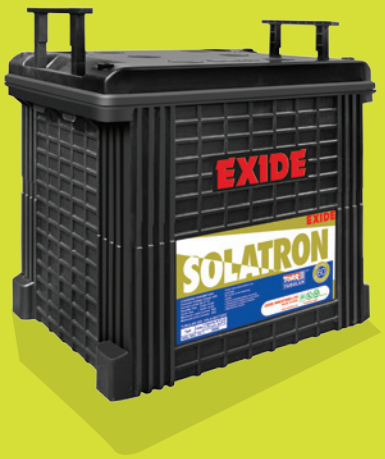
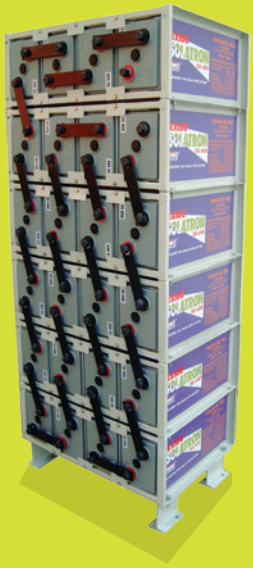
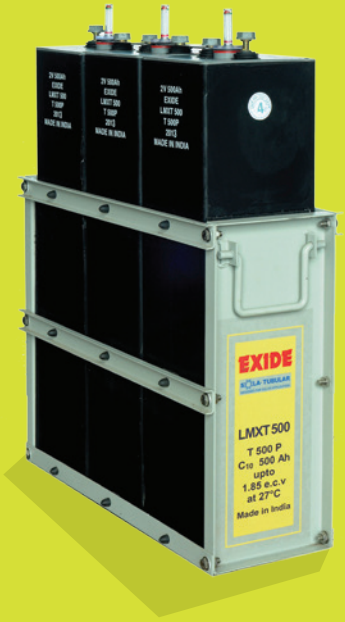
SOLAR BATTERIES

EXPERIENCE
THE EXCELLENCE





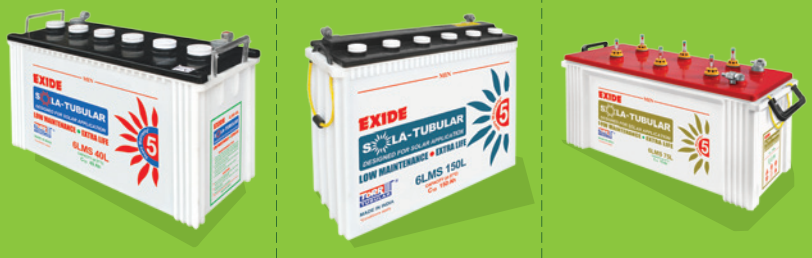


Over the last decades, the focus on renewable energy usage to meet the growing power demand of the country has increased manifold. There is a need to explore renewable energy resources to reduce the carbon emission, rapid depletion of fossil fuels resulting global warming. It is considered to be the efficient solution to vast stretches of remote areas where mains power is yet to reach in an economic manner. The success of SPV system largely depends on the efficiency of its storage. Storage of solar power is a challenge as the electricity produced from solar panels is intermittent. Exide solar batteries are specially designed to suit the rigors of daily charge-discharge cycle at an high ambient temperature, work efficiently in Partial State of Charge (PSOC) condition where the battery will operate successfully even in consecutive non-sunny days and recharged at a fast pace. The performance of a renewable energy system depends on the design, quality, efficiency, durability and reliability of its equipment. In line with the above scenario, Exide Industries Limited, the leader in Lead Acid Battery in India for the last 65 years is proud to present the widest range of Lead Acid Batteries manufactured with TORR Tubular Technology which stands for reliable and consistent performance for Solar Photovoltaic and other Renewable Energy based applications.

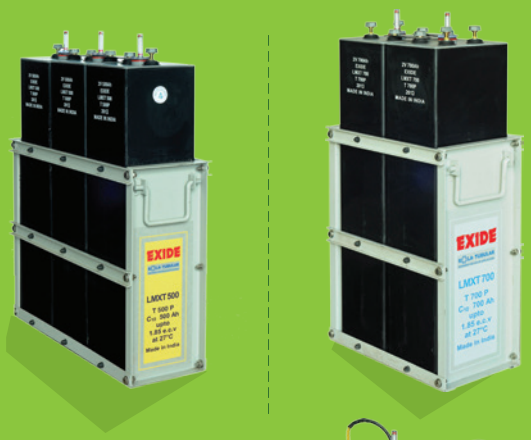
EXIDE SOLATUBULAR™ AND SOLARBLITZ™

FEATURES :

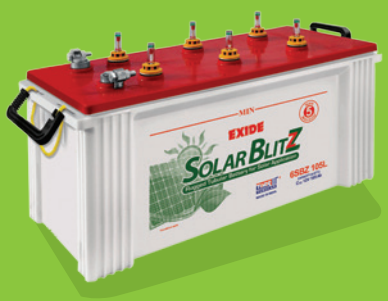
- Batteries are made of time tested **Exide Torr Tubular Positive Plates**
- Available in **12V, 6V & 2V** range
- Ultra **Low Maintenance**
- Suitable for **frequent cyclic duty**
- Superior **Cycle life**
- Supplied in **factory charged condition** - ensures **optimal quality** and **ready to use**
- Service life **comparable** with the **best of the international brands.**
- SOLATUBULAR® & SOLARBLITZ® 12V LMS ranges meet **IS 13369 specification with latest amendments**
- SOLATUBULAR® 2V LMXT ranges meet **IS 1651 specification with latest amendments**



Solatubular®- 12V & 6V Battery



Solatubular®
LMXT - 2V Cells



SolarBlitz®12V Battery

ADD ON FEATURES :

- 6V mono-blocks can be supplied with **MS Cabinet** (fitted suitable exhaust system) or **MS Stand** (knock down condition) in 48V configuration on demand – ideally designed for outdoor application.
- 2V Cells are also supplied in **factory filled and charged condition** to ensure savings on initial charging and man - hour cost at site.
- 2V Cells up to 800Ah are housed in **MS Modules** (8/6/4V) so that the compact modules can be installed straightway on arrival at site. **No additional expense** for Battery Stand.
- Easy to **Handle and Transport**

TECHNICAL SPECIFICATIONS :

Type of Battery	Nominal Voltage (V)	Capacity @C10 upto 1.80 v.p.c at 27°C (Ah)	Battery Weight with Acid ± 5% (kg)	Overall Dimension		
				Length ± 5 mm	Width ± 5 mm	Height ± 5 mm
6LMS20	12	20	13.2	260	172	250
6LMS20L	12	20	14.3	260	172	250
6LMS40	12	40	25.5	410	176	292
6LMS40L	12	40	26.5	410	176	292
6LMS60	12	60	28.0	410	176	292
6LMS75	12	75	32.0	410	176	292
6LMS75L	12	75	42.5	530	220	294
6LMS100L	12	100	55.0	500	187	421
6LMS120L	12	120	48.5	530	220	294
6LMS150L	12	150	63.0	500	187	421
6LMS200L	12	200	75.0	500	187	421
3LMS300	6	300	66.3	500	187	421

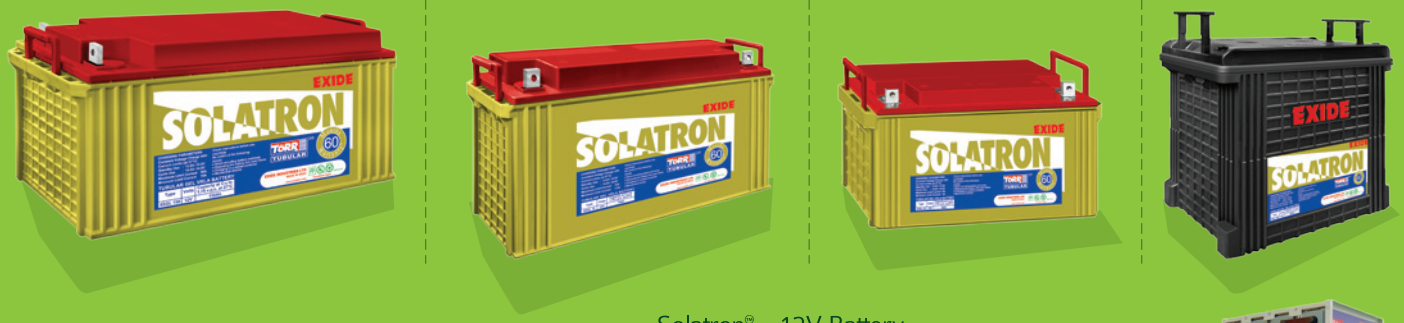
Type of Battery	Nominal Voltage (V)	Capacity @C10 upto 1.85 v.p.c at 27°C (Ah)	Cell Weight with Acid ± 5% (kg)	Overall Dimension		
				Length ± 5 mm	Width ± 5 mm	Height ± 5 mm
LMXT300	2	300	21	125	158	543
LMXT400	2	400	27	125	158	543
LMXT500	2	500	38	173	158	699
LMXT600	2	600	41	173	158	699
LMXT700	2	700	51	205	158	753
LMXT750	2	750	51.9	205	158	753
LMXT800	2	800	53	205	158	753
LMXT850	2	850	65	416	172	535
LMXT900	2	900	67	416	171	535
LMXT1000	2	1000	72	416	171	535

Type of Battery	Nominal Voltage (V)	Capacity @C10 upto 1.80 v.p.c at 27°C (Ah)	Battery Weight with Acid ± 5% (kg)	Overall Dimension		
				Length ± 5 mm	Width ± 5 mm	Height ± 5 mm
6SBZ40	12	40	19	303	171	247
6SBZ105L	12	105	43.5	530	220	294
6SBZ150	12	150	61	500	187	421

EXIDE SOLATRON®

FEATURES :

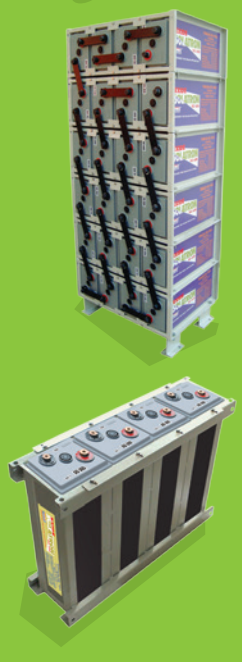
- Batteries are made of Torr Tubular Positive Plates
- Available in **12V & 2V** range
- Exide **SOLATRON Tubular GEL VRLA** batteries offer **reliable, maintenance** free power.
- Supplied in **factory charged condition** – ensures optimal quality and ready to us.
- Suitable for **frequent deep cycles.**
- **Low rate** of self discharge
- **No** acid stratification
- The thixotropic GEL manufactured with exclusive mixing technology in our state-of-the-art GEL manufacturing plant enables completely **spill proof & leak proof** and many available options / orientations for installation.
- Designed for **long life**
- **SOLATRON 12V & 2V Gel ranges meets IS 15549, IEC 61427, IEC 60896 – 21& 22, BS 6290 Part IV, IEEE – 1188/1189, Eurobat Guide 1999 – Classified as "Long Life"**



Solatron® – 12V Battery

ADD ON FEATURES :

- Exclusive Gel manufacturing and mixing technology **ensures longer cycle life.**
- Ultrapremium imported sealing valves **ensures safety and long life.**
- **Ultrapremium grade separators** with excellent porosity and cleanliness are used to get **extended life and performance.**
- 2V cells are housed with **stackable MS Modules (8V).**
- 2V cells can be supplied with **MS Cabinet** (fitted suitable exhaust system) in 48V configuration on demand – ideally **designed for outdoor application.**



Solatron® – 2V Cells

TECHNICAL SPECIFICATIONS :

Type of Battery	Nominal Voltage (V)	Capacity @C10 upto 1.75 v.p.c at 27°C (Ah)	Battery Weight with Gel ± 5% (kg)	Overall Dimension		
				Length ± 5 mm	Width ± 5 mm	Height ± 5 mm
6SGL26	12	26	13	197	165	170
6SGL40	12	40	22	354	169	230
6SGL65	12	65	26	354	169	230
6SGL75	12	75	38	531	170	258
6SGL100	12	100	44	531	170	258
6SGL120	12	120	48	531	170	258
6SGL150	12	150	64	533	250	240
6SGL200	12	200	84	428	287	400

Type of Battery	Nominal Voltage (V)	Capacity @C10 upto 1.75 v.p.c at 27°C (Ah)	Module Dimension				
			Voltage (V)	Length ± 5mm	Width ± 5mm	Height ± 5mm	Weight ± 5mm
SG200	2	200	16	709	268	365	121
SG300	2	300	8	717	200	520	115
SG400	2	400	8	717	200	520	124
SG450	2	450	8	717	200	520	137
SG500	2	500	8	717	200	520	149
SG600	2	600	8	717	248	520	178
SG800	2	800	4	386	262	690	124
SG1000	2	1000	4	386	278	687	144

RECHARGING CHARACTERISTICS DURING OPERATIONS :

	Low Maintenance Flooded Tubular Ranges	Tubular GEL VRLA Sealed Ranges
	Recommended Parameters For ambient temperature of 25°- 30°C	
Charging Current	Maximum - 20% of the battery Ah capacity Minimum - 10% of the battery AH capacity	
Bulk Voltage	2.60 +/- 0.02V x no. of cells	2.40 +/- 0.02V x no. of cells
Float Voltage	2.30 +/- 0.02V x no. of cells	2.28 +/- 0.02V x no. of cells
Load Reconnect Voltage	2.16 +/- 0.02V x no. of cells	2.20 +/- 0.02V x no. of cells
Low Voltage Disconnect	1.90 +/- 0.02V x no. of cells	1.90 +/- 0.02V x no. of cells
Recharge Factor	110% of discharge Ah	106% of discharge Ah
Temperature Correction Factor (reference 25°C)	Float : -3mV/°C/2V unit Cyclic : -5mV/°C/2V unit	

APPLICATIONS :

SOLAR PHOTO VOLTAIC

ROOF-TOP
SOLAR POWER PACK

SOLAR HYBRID
INVERTERS

HOME
LIGHTING

STREET
LIGHTING

RURAL
ELECTRIFICATION

OFFSHORE
PLATFORMS

SOLAR
POWER PLANTS

RAILWAY
SIGNALING

TELE
COMMUNICATION

NAVIGATIONAL
AIDS