



**SPGS | AUTOMOTIVE
E-RICKSHAW
INVERTER BATTERY
INVERTER | PCU
SOLAR PANNEL**



www.skylarkbattery.com

OUR CORE TEAM

MR. SATPAL MALIK

(Owner of Skylark)

MR. SONU MALIK

(Owner of Skylark)



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ABOUT US

We are a trusted battery manufacturer and supplier of high quality inverter, solar, E-rickshaw and automotive batteries. Being ISO 9001:2015 certified organization, our quality batteries are fabricated using high grade raw material sourced from the top notch vendors of the industry and latest technology. Our complete array is acclaimed for high performance, heavy duty body, long battery backup and optimum performance. Being a quality centric organization, we are devoted in offering unmatched series of Inverter, Solar, E-rickshaw and Automotive Batteries at nominal costs to our dedicated client base. In our organization, we have employed highly proficient and industrious team members, who really work closer to

meet the expectation of clients by offering quality products. These batteries are manufactured at our state of the art manufacturing unit fully equipped with latest machines and technology to ensure international quality range. We have gathered extreme faith of our valuable patrons through transparency in all the business deals in the most proficient manner. We are under the meticulous guidance of our mentor, Sonu Malik, who carries years of practice in this domain. His right business strategy, client-centric approaches, and right business practice have allowed us to triumph the trust of the clients.



OUR PRODUCTS

Skylark manufactures a wide assortment of batteries for household applications and for use in vehicles. Our superior quality batteries stand out for their high performance, reliability and low maintenance. We manufacture Inverter, Solar PCU, Automotive , E-rikshaw and Solar Batteries.

Developed using superior quality raw material, these batteries are at par with the needs of clients which makes us one of the leading battery manufacturers. We also provide customization in dimensions to meet the distinctive needs of the clients.



- ◆ AUTOMOTIVE BATTERIES
- ◆ INVERTER BATTERIES
- ◆ E-RICKSHAW BATTERIES
- ◆ INVERTER & SOLAR PCU



AUTOMOTIVE BATTERIES

We are specialized in offering an exclusive range of automotive batteries that are designed as per latest technology. In line with clients' diverse requirements, we are engaged in offering an optimum quality range of Automotive Batteries. We manufacture batteries for cars as well as for tractor use also. Our batteries offer high cranking power with a long lasting backup for the vehicles. Our batteries are popular among the customers due to their cost effectiveness, durability and quality.

Battery Technology:	Low Maintenance Flooded
Applications :	Car, Tractor & Truck
Models Range :	12 V, 32 Ah to 150 Ah

Salient features:

- Special grid design for high cranking performance
- Hybrid technology reduces water loss, thereby reduces topping – up frequency
- State – of – Art paste formulations for high performance
- Special additives to enhance the recovery from deep discharge
- Combination of Polyethylene separator with Glass mat to reduce internal short



AUTOMOTIVE BATTERIES

SPECIFICATIONS

Model No	Nominal Voltage	Capacity (ah)	Warranty (Months)
SL-350T	12V	32	12 M
SL-400T	12V	35	18 M
SL-600T (L/R)	12V	60	18 M
SL-700T (L/R)	12V	70	18 M
SL-800T (L/R)	12V	85	18 M
SL-90E41L	12V	90	18 M
SL-105E41L	12V	105	18 M
SL-120E41L	12V	120	18 M
SL-120E41L	12V	120	24 M
SL-135	12V	135	18 M
Trucking 150 Amp	12V	150	18 M

Model No	Nominal Voltage	Capacity (ah)	Warranty (Months)
DIN 44	12V	50	24 M
DIN 55	12V	60	24 M
90D23EL	12V	68	24 M
DIN 65	12V	70	24 M



AUTOMOTIVE BATTERIES

E-RICKSHAW BATTERIES

We offer excellent quality E-rickshaw batteries that have greater backup, more efficiency and mileage. Being a trusted E-rickshaw battery manufacturer, our customer's satisfaction is of prime importance, hence we batteries with robust build and latest features. Now take on the roads with ease with our range of E-rickshaw batteries.

Salient features:

- E-rickshaw batteries boost the performance of E-rickshaws with their robust outcomes.
- E-rickshaw batteries are high on safety standards.
- E-rickshaw batteries have enormous power.
- E-rickshaw batteries have faster charging which results in more savings.

SPECIFICATIONS

Model No	Nominal Voltage	Capacity (ah)	Warranty (Months)
ER-1600	12V	120	6 M
ER-2000	12V	140	12 M



E-RICKSHAW BATTERIES





E-RICKSHAW BATTERIES

INVERTER BATTERIES

Skylark is a renowned inverter battery manufacturer. Our inverter batteries are designed under the latest applied scientific automation. The high quality inverter batteries are ideal for residential homes and commercial settings. Due to compact design and light design, these batteries are suitable for long-distance transportation. Our batteries provide assurance of backup and high performance to keep your spaces sparkling with brightness.

Battery Technology	:	Tubular Flooded
Applications	:	Inverter
Models Range	:	12 V, 100 Ah to 250 Ah

Salient features:

- High pressure casted spines to reduce grid corrosion
- High density active material to improve performance under deep discharge conditions
- Special additives to enhance the recovery from deep discharge
- Use of special type of Polyethylene separator to reduce water loss & stratification and increase puncture resistance
- Higher electrolyte volume to reduce topping – up frequency
- MNRE approved Solar products



INVERTER BATTERIES



SPECIFICATIONS

Model No	Nominal Voltage	Capacity (ah)	Warranty (Months)
JUMBO 16024	12V	150	24 M
JUMBO 16036	12V	150	36 M
JUMBO 20036	12V	200	36 M

Model No	Nominal Voltage	Capacity (ah)	Warranty (Months)
SLTT-16024	12V	150	24 M
SLTT-16036	12V	150	36 M
SLTT-18024	12V	180	24 M
SLTT-18036	12V	180	36 M
SLTT-20036	12V	200	36 M
SLTT-23036	12V	230	36 M
SLTT-25036	12V	250	36 M



INVERTER
BATTERIES



DSP SINE WAVE INVERTER / UPS

We have developed Inverter, HUPS, from 300VA to 5KVA Single phase with below features:-

- Best designed for energy savings and suitable for frequent power fluctuations
- Output waveform: Pure sine wave
- Frequency: 50Hz \pm 1%,
- Unique "DSP Technology" zero humming of electrical & electronic products
- Battery Gravity Builder with overcharge and deep discharge protections
- Less energy consumption in a year as compared to any other brand
- Selectable charging mode for different battery technologies (Flat/Tubular battery) and capacities (100 Ah to 250 Ah) using selector switch
- 10-15% higher back up than any other competitor brands
- Runs juicer/ Mixer Grinder easily up to 900W rating
- Charges battery from as low as 70V mains
- Enhanced Temperature Protection.
- Safety :- MCB for protection from Input main



DSP SINE WAVE INVERTER / UPS



SPECIFICATIONS

PARAMETERS	MODELS						
Model	R925/12V	R1125/12V	R1325/12V	R1825/24V	R2225/24V	R2625/24V	R3725/48V
No Load Current	≤ 2.0A			≤ 2.5A			≤ 2.5A
Output Voltage @ No Load	≤ 240VAC @12.0VDC			≤ 240VAC @24.0VDC			≤ 240VAC @48.0VDC
Battery Current @ Full Load	44A ±2A	54A ±2A	64A ±2A	54A ±2A	64A ±2A	75A ±2A	60A ±2A
Over Load Alarm	46A ±2A	56A ±2A	66A ±2A	56A ±2A	66 ±2A	77A ±2A	62A ±2A
Battery Low Alarm	10.6 ±0.2V			21.2 ±0.2V	21.2 ±0.2V	21.2 ±0.2V	42.4 ±0.2V
Battery Low Shutdown	10.4 ±0.2V			20.8 ±0.2V	20.8 ±0.2V	20.8 ±0.2V	41.6 ±0.2V
Short Circuits Protection	Yes						
Inverter Output Frequency	50 ± 0.1 Hz						
UPS MODE							
Mains Input Volatge Range	170V To 265V						
Mains AC Low Cut	170VAC ±10VAC						
Mains AC Low Cut Recovery	180VAC ±10VAC						
Mains AC High Cut	265VAC ±10VAC						
Mains AC High Cut Recovery	255VAC ±10VAC						
Maximum Change Over Time	<8msec						
W-UPS MODE							
Mains Input Volatge Range	90V To 290V						
Mains AC Low Cut	90VAC ±10VAC						
Mains AC Low Cut Recovery	110VAC ±10VAC						
Mains AC High Cut	290VAC ±10VAC						
Mains AC High Cut Recovery	280VAC ±10VAC						
Maximum Change Over Time	<20msec						
CHARGING MODE							
Charging Current@220VAC	15.0 ±2A						
Boost Voltage (Tub Mode)	14.4V ±0.2V			28.8V ±0.4V			57.6V ±0.8V
Boost Voltage (LA Mode)	14.0V ±0.2V			28.0V ±0.4V			56V ±0.8V
Boost Mode (Enable Tub. Mode)	15.0V ±0.2V			30.0V ±0.4V			60.0V ±0.8V
Boost Mode (Enable LA Mode)	15.0V ±0.2V			30.0V ±0.4V			60.0V ±0.8V
Float Volatge	13.6V ±0.2V			27.2V ±0.4V			54.4V ±0.8V
Short Circuit	Yes						
PROTECTION							
Battery Low Cut Off	1 Time						
Over Load (Auto Retries)	4 Times						
Short Circuits (Auto Retries)	3 Times						
Over Temperature	3 Times						
Battery Over Charge	Yes						
Input Protection	Yes (Mains Fuse Blown/MCB Trip in Case of Short Circuit in Mains Mode)						



DSP SINE WAVE INVERTER / UPS

SOLAR PCU

We have developed Solar Charge Controller & Solar PCU from 800VA to 10KVA Single phase with below features:-

- Pure Sine wave Solar PCU PWM are based on DSP Technology.
- Battery Charger Even at 70V Low Voltage.
- Load sharing and charging sharing to save more electricity.
- Alphanumeric 16x2 LCD, display to read easily.
- Battery Types Support: Tubular, SMF, Flat Plate & Lithium-ion.
- Inbuilt powerful Solar Charge Controller to give the strength to run the appliances and charge battery through Solar fast.
- Pure sine wave PCU with 80% efficiency
- Solar preference charging for Battery to reduce the power used from the grid.
- Battery boost charger inbuilt in the system.
- Save maximum electricity in solar mode.
- Low voltage charging till 90V of mains.



SOLAR PCU

SPECIFICATIONS

PARAMETERS				MODELS			
Model	S875/12V	S107512V	S1275/12V	S1875/24V	S2275/24V	S2775/24V	S3275/24V
No Load Current	≤ 2.0A			≤ 2.4A			
Output Voltage @ No Load	≤ 240VAC @12.0VDC			≤ 240VAC @24.0VDC			
Battery Current @ Full Load	44A ±2A	52A ±2A	64A ±2A	54A ±2A	64A ±2A	75A ±2A	92A ±2A
Over Load Alarm	46A ±2A	54A ±2A	66A ±2A	56A ±2A	66A ±2A	77A ±2A	94A ±2A
Battery Low Alarm	10.6 ±0.2V			21.2 ±0.2V			
Battery Low Shutdown	10.4 ±0.2V			20.8 ±0.2V			
Short Circuits Protection	Yes						
Inverter Output Frequency	50 ± 0.1 Hz						
UPS MODE							
Mains Input Volatge Range	170V To 265V						
Mains AC Low Cut	170VAC ±10VAC						
Mains AC Low Cut Recovery	180VAC ±10VAC						
Mains AC High Cut	265VAC ±10VAC						
Mains AC High Cut Recovery	255VAC ±10VAC						
Maximum Change Over Time	<8msec						
W-UPS MODE							
Mains Input Volatge Range	90V To 290V						
Mains AC Low Cut	90VAC ±10VAC						
Mains AC Low Cut Recovery	110VAC ±10VAC						
Mains AC High Cut	290VAC ±10VAC						
Mains AC High Cut Recovery	280VAC ±10VAC						
Maximum Change Over Time	<20msec						
CHARGING MODE							
Charging Current@220VAC	15.0 ±2A						
Boost Voltage (Tub. Mode)	14.4V ±0.2V			28.8V ±0.4V			
Boost Voltage (LA. Mode)	14.0V ±0.2V			28.0V ±0.4V			
Boost Mode (Enable Tub. Mode)	15.0V ±0.2V			30.0V ±0.4V			
Boost Mode (Enable LA Mode)	15.0V ±0.2V			30.0V ±0.4V			
Float Volatge	13.6V ±0.2V			27.2V ±0.4V			
Short Circuit	Yes						
PROTECTION							
Battery Low Cut Off	1 Time						
Over Load (Auto Retries)	4 Times						
Short Circuits (Auto Retries)	3 Times						
Over Temperature	3 Times						
Battery Over Charge	Yes						
Input Protection	Yes (Mains MCB Trip in Case of Short Circuit in Mains Mode)						
PV PARAMETER							
Rating	12V-30Amp.			24V-50Amp.		24V-70Amp.	
Input PV Volatge Max. Voc	28V ±2V			54V ±2V			
Maximum Solar Arrey Power	600W			2000W		2500W	
Maximum PV Modules	190W			450W			
Type of Control	Micro Controller						
Type of Solar Charger	PWM						
Efficiency Of SCC	>90%						
PV Volatge High Protection	28V ±2V			54V ±2V			
PV High Current Protection	32Amp.			55Amp.		75Amp.	
DISPLAY							
16X2 LCD	Mains Voltage, Output Voltage, Battery Charging, Battery Charged, Solar Voltage, Solar Current, Main MCB Trip and all protection alert with it's remedy.						
20X4 LCD							
LED INDICATIONS	Mains On, Charging, On, UPS, On, Battery Low, Overload						

SOLAR PCU

SPECIFICATIONS

Type	Pure Sine Wave Single Phase Solar Inverter			
Technology	DSP Based PWM Technology			
Model No.	S4000/48V	S6000/96V	S7500/96V	S10000/120V
INPUT PARAMETERS				
Input Supply	1 Phase, 3 Wire			
Voltage Range	110-280V AC			
Frequency Range	45-55 ± 0.1 Hz			
Power Factor (charging)	0.85 to 0.90			
OUTPUT PARAMETERS				
Power Factor	0.8			
Voltage Regulation	220V ± 5%			
Frequency Regulation	50Hz ± 0.05Hz			
Peak Efficiency	>90%			
Output Waveform	Pure Sine Wave			
Total Harmonic Distortion	< 3%			
Crest Factor	> 3:1			
Overload Handling Capacity	101% for 60 secs, 160% for 5 secs			
BATTERY PARAMETERS				
Battery Type	12V/100-250Ah			
Battery Voltage(Nominal)	48V	72V	96V	120V
Battery Charging Current	7A / 10A / 15A / 20A			
ENVIRONMENTAL PARAMETERS				
Operating Temperature	0-45°C			
Acoustic Noise (at 1mts)	< 50dB			
Relative Humidity	Max 95% non-condensing			
OTHERS				
Indications & Alarms	Backlit 16 x 2 Lines LCD Screen with Indications & Alarms			
PV PARAMETER				
PWM Charger Rating	50Amp. to 70Amp.			
Input PV Volatge Max. Voc	110V To 250V	180V 450V	180 to 450V	220 To 550V
Maximum Solar Arrey Power	4000W	6000W	75000W	10000W
Type of Control	Micro Controller			
Type of Solar Charger	PWM			
Efficiency Of SCC	>90%			
PV Volatge High Protection	260V	470V	470V	570V
PV High Current Protection	Yes			

SOLAR PCU

ADVANCE FEATURES

- Maximum power generation to help you make more solar money.
- Shock-resistant thick iron glass to help you cut down on solar wastage.
- High grade solar cells to give you long-lasting solar panels.
- Best quality raw material to give you best performance even in extreme weather conditions.
- Anodized aluminium frame gives you freedom from maintenance.
- IEC approved solar panels are so high in quality that the prestigious International certification body, IEC has certified th solar panels.
- Solar panels are so efficient that they generate electricity from sunrise to sunset without fail. To eliminate shading, gap between module frame and solar cells is optimized.
- They have the best quality solar cells which make the solar panels highly efficient. The cells are laminated between UV resistant polymer (EVA) and high transmission toughened glass surface, which helps in extended the life of solar panels and lessen the power degradation.
- They are able to withstand extreme and ha weather conditions and have a long life.



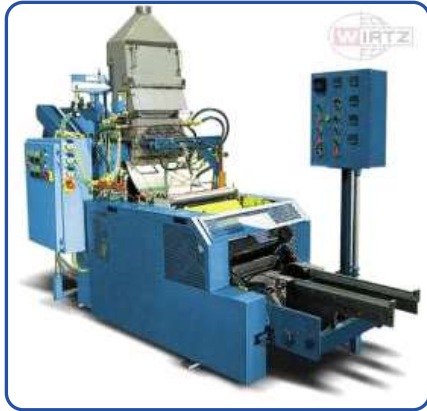
Polycrystalline
50watt to 335watt

Monocrystalline
200watt

SOLAR PANEL



BATTERY PLANT INFRASTRUCTURE



Automatic Grid Casting Machines from World No.1 Grid Casting Machine Makers Wirtz, U.S.A.



Sovema, Italy - Largest Manufacturer of Oxide Mill in the world



Paste Mixing machine from World Best Paste mixer - OXMASTER, USA



Advanced Plate Pasting Machines from MAC Pastors, U.S.A.



Assembly line - World Best manufacturers LEKO(USA). Advanced PLC Machines.



100% Online Testing of Batteries-HRD cum IR tester. PC Compatible HRD Tester

BATTERY PLANT INFRASTRUCTURE



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