

PRODUCT BROCHURE 2022-2023

Our Product

- ★ Solar Panel
- ★ Solar Battery
- ★ Inverter Battery
- ★ E-Rickshaw Battery
- ★ Solar Street Light
- ★ Electric Vehicles



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ABOUT US

It's great to hear about SNS Insider Pvt Ltd vision and commitment to becoming a significant player in the Indian energy sector, with a specific focus on renewable energy, particularly solar. Your emphasis on having a seasoned team with a proven track record in designing and integrating off and grid-connected solar projects is a key strength.



Owning one of the largest research/installation networks across India is a commendable achievement, showcasing your commitment to expanding and contributing to the renewable energy landscape in the country. and grid-connected solar projects is a key strength.

Your dedication to customer satisfaction through product quality, service excellence, and adherence to best business practices is a crucial aspect for building trust and long-term relationships. Additionally, your emphasis on credible skills, a robust support system, and a sense of responsibility will likely contribute to a positive customer experience.

The mention of strategic and effective partnerships for the prompt delivery of customized solutions is a smart approach. Collaborations can enhance your capabilities, provide access to new technologies, and help meet the diverse needs of your customers.



INTEGRATED SOLAR STREET LIGHT

We offered wide range of Solar integrated street light Ranging 9w to 50w with auto Dusk to down and motion Detection the street light also Available without pole. Customize Street light solution are also supplied On demand.



TECHNICAL SPECIFICATION

LED SOURCE	9W	12W	15W	18W	20W	24W
Solar Panel Wattage	20W	40W	40W	50W	50W	50W
Battery Capacity	12.8V/6Ah	12.8V/12Ah	12.8V/12Ah	12.8V/18Ah	12.8V/18Ah	12.8V/18Ah
Charge Controller Capacity	5Amp	5Amp	5Amp	8Amp	8Amp	8Amp
LED Lumens/Watt	130lm/w	130lm/w	130lm/w	130lm/w	130lm/w	130lm/w
Charging Time	7-8hrs	7-8hrs	7-8hrs	7-8hrs	7-8hrs	7-8hrs
Backup Time	1 Day	2 Day	2 Day	2 Day	2 Day	2 Day
Dimming System	Inbuilt with system					
Motion Sensor	Motion Sensor Inbuilt with all models					
IP67 Protection	All systems are IP67 Protected					
MS Clamp, Nut Bolt & Accessories	Providing with all systems					
Light Mounting Height	5 To 6 Meter					

LED SOURCE	24W	30W	30W	40W	50W
Solar Panel Wattage	60W	60W	75W	75W	80W
Battery Capacity	12.8V/24Ah	12.8V/24Ah	12.8V/30Ah	12.8V/30Ah	12.8V/36Ah
Charge Controller Capacity	8Amp	8Amp	5Amp	5Amp	10Amp
LED Lumens/Watt	130lm/w	130lm/w	130lm/w	130lm/w	130lm/w
Charging Time	7-8hrs	7-8hrs	7-8hrs	7-8hrs	7-8hrs
Backup Time	2 Day	2 Day	2 Day	2 Day	2 Day
Dimming System	Inbuilt with system				
Motion Sensor	Motion Sensor Inbuilt with all models				
IP67 Protection	All systems are IP67 Protected				
MS Clamp, Nut Bolt & Accessories	Providing with all systems				
Light Mounting Height	5 To 6 Meter				6 To 9 Meter



SEMI INTEGRATED SOLAR STREET LIGHT

We offered wide range of Solar Semi integrated street light Ranging 9w to 50w with auto Dusk to down & the street light also Available without pole. Customize Street light solution are also supplied On demand.

TECHNICAL SPECIFICATION

LED SOURCE	9W	12W	15W	18W	20W	24W
Solar Panel Wattage	20W	40W	40W	50W	50W	60W
Battery Capacity	12.8V/6Ah	12.8V/12Ah	12.8V/12Ah	12.8V/18Ah	12.8V/18Ah	12.8V/24Ah
Charge Controller Capacity	5Amp	5Amp	5Amp	8Amp	8Amp	8Amp
LED Lumens/Watt	130lm/w	130lm/w	130lm/w	130lm/w	130lm/w	130lm/w
Charging Time	7-8hrs	7-8hrs	7-8hrs	7-8hrs	7-8hrs	7-8hrs
Backup Time	1 Day	2 Day	2 Day	2 Day	2 Day	2 Day
Dimming System	Inbuilt with system					
IP67 Protection	All systems are IP67 Protected					
MS Clamp, Nut Bolt & Accessories	Providing with all systems					
Light Mounting Height	5 To 6 Meter					

LED SOURCE	24W	30W	30W	40W	50W
Solar Panel Wattage	60W	60W	75W	75W	80W
Battery Capacity	12.8V/24Ah	12.8V/24Ah	12.8V/30Ah	12.8V/30Ah	12.8V/36Ah
Charge Controller Capacity	8Amp	8Amp	8Amp	5Amp	10Amp
LED Lumens/Watt	130lm/w	130lm/w	130lm/w	130lm/w	130lm/w
Charging Time	7-8hrs	7-8hrs	7-8hrs	7-8hrs	7-8hrs
Backup Time	2 Day	2 Day	2 Day	2 Day	2 Day
Dimming System	Inbuilt with system				
IP67 Protection	All systems are IP67 Protected				
MS Clamp, Nut Bolt & Accessories	Providing with all systems				
Light Mounting Height	5 To 6 Meter				6 To 9 Meter

SOLAR PV MODULE

We offer highly efficient Solar PV Modules. the robust design and continuous test procedures assures customers the quality panels at competitive rates. The panels are durable with Strong Alloy frame, Waterproof Laminated, Protection from hostile condition.



TECHNICAL SPECIFICATION

PRODUCT CODE	P _{MAX}	V _{MPP}	I _{MPP}	V _{OC}	I _{SC}	$\eta(\%)$
USPV40W	40	19	2.1	22.68	2.21	13.83
USPV50W	50	18.43	2.71	22.28	2.88	13.8
USPV60W	60	18.52	3.24	22.32	3.45	14.32
USPV75W	75	18.45	4.06	22.25	4.34	14.26
USPV80W	80	18.91	4.23	22.68	4.42	15.42
USPV100W	100	18.95	5.29	22.68	5.53	14.46
USPV110W	110	19	5.69	22.97	5.99	15.91
USPV160W	160	19.35	8.46	23.01	8.84	15.83
USPV200W	200	19.04	10.09	23.39	11.06	15.02
USPV250W	250	30.3	8.25	37.08	8.67	15.35
USPV260W	260	31.06	8.37	37.5	8.83	15.96
USPV270W	270	32.46	8.48	38.16	8.96	16.58
USPV315W	315	37.48	8.41	45.07	8.8	16.11
USPV320W	320	37.78	8.47	45.29	8.87	16.37
USPV325W	325	38.1	8.53	45.5	8.94	16.62
USPV330W	330	38.42	8.59	45.79	9.01	16.88
USPV335W	335	37.99	8.82	45.8	9.3	17.13
USPV335W	340	38.25	8.91	45.13	9.38	17.39

NOTE-

- The specifications in this datasheet are subject to change without any notice.
- The electrical data given here is for reference purpose only.
- Please contact our sales team for any customized solutions.
- Please read safety and installation instructions before using the product.

TECHNICAL SPECIFICATIONS

(E-RICKSHAW BATTERY)

Models	Capacity Rating @C20	Dimensions (L x W x H) mm	Net weight Kg ($\pm 3\%$)	Battery Type	Warranty	Battery Backup @ 1000W Motor load
ER18000	120Ah	410 x 171 x 209	33.3	Flat Plate	6 Months	85-95KM
ER20000	140Ah	410 x 171 x 209	36.0	Tubular	12 Months	110-120KM

KEY FEATURES

- The E-rickshaw Battery range are designed @C20 Capacity having minimal self discharged rate for long self life.
- The C20 Capacity insuring longer life deep charger application and do have a quick charging ability even after deep discharge.
- For long cycle the positive plates are high pressure dye casted and have pasted negative plates.
- The E-rickshaw battery require less maintenace & have robusnt construction providing high level of reliability & performance.



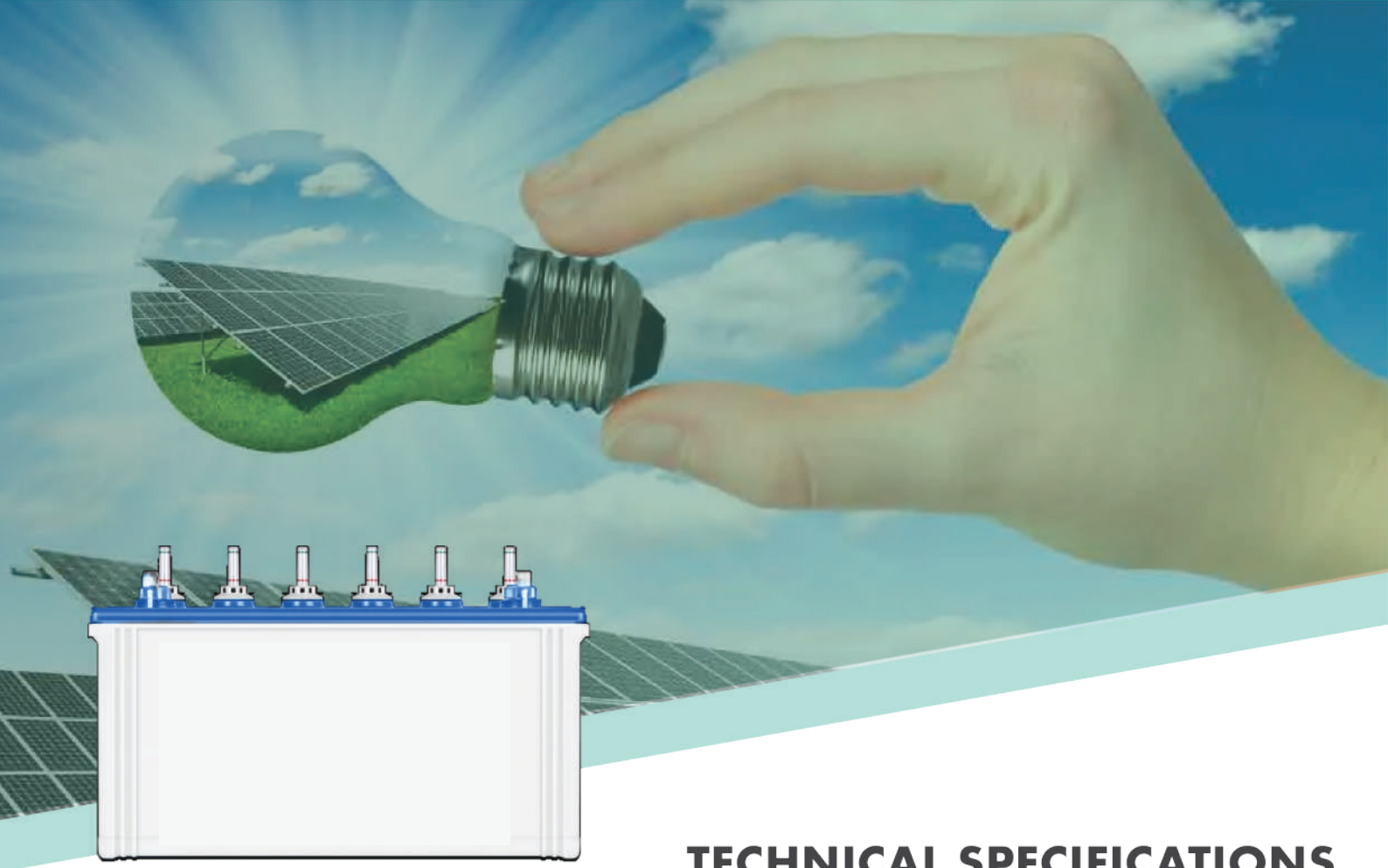


TECHNICAL SPECIFICATIONS (INVERTER BATTERY)

Models	Capacity Rating @C20	Dimensions (L x W x H) mm	Net weight Kg ($\pm 3\%$)	Battery Type	Warranty	Battery Back up @400w
UITT1500	150Ah	505 x 190 x 412	60	Tubular	36 M	3H:30M

KEY FEATURES

- Inverter Battery designed at C20 capacity rating & having highest life cycle with significant saving on cost per cycle.
- Inverter Battery required less maintenace & have Roboust construction providing high level reliability & performance.
- Inverter Battery having longer life cycle on 80% DOD & insuring quick charging even in deep discharge cycle.
- Inverter Battery having better resistance to both heat & vibration.



TECHNICAL SPECIFICATIONS (SOLAR BATTERY)

Models	Capacity Rating @C10	Dimensions (L x W x H) mm	Net weight Kg ($\pm 3\%$)	Battery Type	Warranty	Battery Back up @400w
USST1500	150Ah	550 x 190 x 412	60	Tall -Tubular	60 Months	3H:30M
USST2000	200Ah	505 x 190 x 412	64	Tall -Tubular	60 Months	4H:50M

KEY FEATURES

- Solar Tubular Battery range are designed at C10 Capacity rating & have a quick charging ability after deep discharge cycle.
- The C10 capacity designed enable quick charging in deep discharge cycle.
- Solar Tubular Battery having high efficiency with more than 1500 life cycle.
- Easy to maintain, install & access.



TECHNICAL SPECIFICATIONS (LITHIUM FERROPHOSPHATE BATTERY)

Models	Capacity	Dimensions (L x W x H) mm	Net weight Kg ($\pm 3\%$)	Warranty (Months)
ULiEV4836	48V/36Ah	230 x 170 x 275	15	36
ULiEV6030	60.8V/30Ah	230 x 170 x 275	15.5	36
ULiEV51100	51.2V/100Ah	544 x 280 x 285	53	36
ULiEV60100	60.8V/100Ah	544 x 280 x 285	55	36





FEATURES

- ★ 12' - 1000WATT, 35H MAGNET BLDC MOTOR WATERPROOFS IP 67
- ★ 12 TUBES WIRE CONTROLLER, WATERPROOF IP 63
- ★ FRONT DISC BREAK AND REAR DRUM BRAKE.
- ★ LED BULB WITH BRANDING
- ★ LED METER
- ★ SPEED – 25 KMPH
- ★ USB PORT.
- ★ ONE BUTTON REPAIR SWITCH
- ★ REVERSE BUTTON
- ★ FRONT AND REAR SHOCK ABSORBERS WITH RETROFITTED FUNCTION AND AIRBAG
- ★ WITH BACKREST
- ★ ALLOY WHEELS
- ★ PU PAINT.
- ★ 123 GEAR
- ★ SIDE STAND SENSOR
- ★ PARKING BUTTON



SAVING ELECTRICITY THE SMARTER CHOICE

E-ZESS



SNS INSIDER
Strategy & Stats



FUTURE 2023

FEATURES

- ★ 12' - 1000WATT, 35H MAGNET BLDC MOTOR WATERPROOFS IP 67
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- ★ WITH BACKREST
- ★ ALLOY WHEELS
- ★ PU PAINT.



SOLAR PCU (POWER CONDITIONING UNIT)

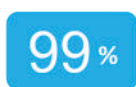
- State of art highly efficient and switching speed MOSFET based PWM technology .
- Peak hardware efficiency of MPPT converter is more than 95%
- Peak efficiency of MPPT tracker (software algorithm) is more than 99%.
- Inbuilt smart MPPT charge controller up-to output maximum power ranges.
- Maximum solar power extracon and ulizaon to save max electricity bills and money
- Powerful charging even during very low voltage.
- Completely noiseless operaon.
- Precise auto thermal management and protecon.
- Fastest protecon to make rugged and enhance product life.
- Advanced and reliable soware to incorporate and interface SOLAR- UPS features
- Intelligently controlled with smart PFC charger
- Long backup with being a pure sine wave output
- 5-stage smart charging profile (by both solar and grid) with auto charge equalizaon to enhanced baery life.
- User selectable switches to select choice of operaons like Hybrid , Smart and Normal Mode.
- Pure sine wave output at full load.
- User can run without solar as normal DSP sine wave inverter
- Very low mainnance and easy installment.
- All parts and components are genuine make.
- Dual display LCD & LED.



Pure
Sine Wave



Noise Less



Tracking
Efficiency



5-Stage
Smart Charging



Operation
Mode Hybrid,
Smart, Normal



Thermal
Protection



Optimum Solar Power
Usage with High Current
Solar Charge.



Intelligently gives the priority
to solar power & take the
balance from Mains.



Simultaneously Charge
Batteries by solar & Grid



Provision for maintaining the
battery gravity with 5 stage
smart charging



Smart Solar Selection
Logic Based on Built in
Real Time.



**Thank You Sns Insider Pvt Ltd
And Ean Alsager Co.**



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