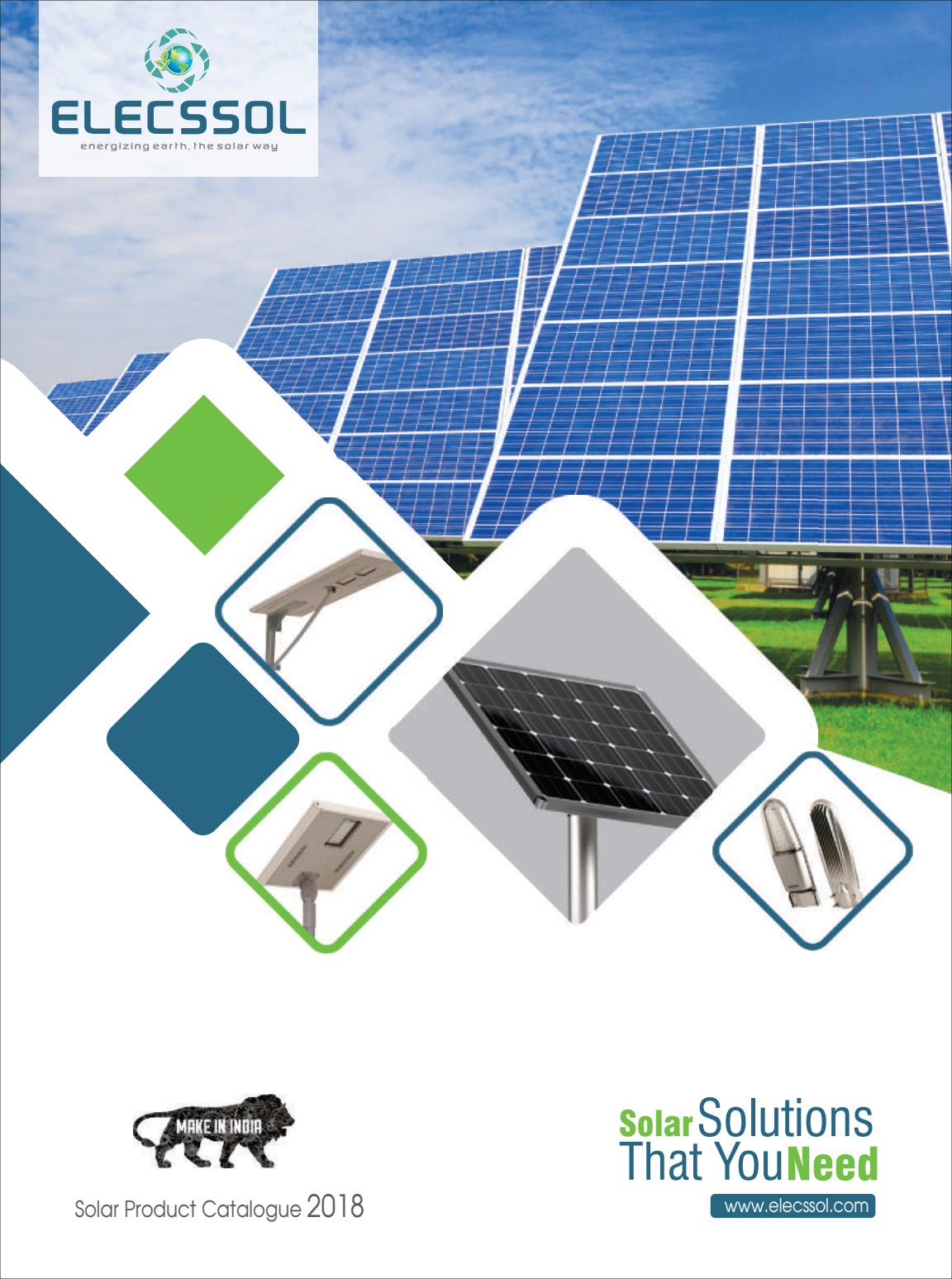




ELECSSL

energizing earth, the solar way



Solar Product Catalogue 2018

Solar Solutions
That You **Need**

www.elecssl.com



About us

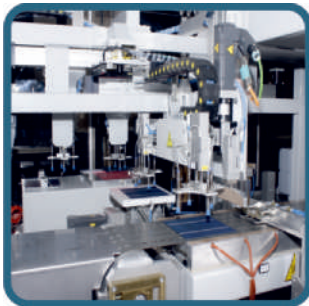
With an experience of above a decade in the electrical market by associating with some of the leading brands in India, we ventured into manufacturing of Solar products in the year 2011 with a vision to be a “globally recognized brand” that provides complete Solar Solutions under one roof.

Promoted by Mr. R.P. Mittal and under the able leadership of Mr. Abhishek Mittal, “ELECSSL” has etched its name in the solar industry as one of the most promising company in terms of quality, standards and after-sales Services.

“Devang Solaar” is a TUV certified ISO 9001:2015 and MNRE certified company, engaged in manufacturing of Solar products along with design, supply and installation of Off-grid/On- grid Solar Power Plants. We market hi-grade Solar modules under the brand name of “ELECSSL”.

Over the years we have been able to develop a remarkable channel sales network by establishing a strong mutually

Our Plant



Company Certification



TUV IEC



TUV IEC



MNRE - Solar PV Module



MNRE - LED STREET LIGHT (ERTL)



MNRE - Solar Lantern



MNRE - Solar Charge Controller



MNRE - Home Lighting System



ISO - 9001:2015



BIS - AC Street Light

Saubhagya Scheme

Home Lighting System



**SOLAR
PANEL**



**MPPT
CONTROLLER**



**LITHIUM BATTERY
(CHARGING UNIT)**



**WIRELESS
CONNECTIVITY**



Eleccsol offers the most technically innovative range of solar-powered LED Lighting & Power Solutions. We

Eleccsol 12V/20A solar charge controller with inbuilt 16x2 LCD Display is a compact and low power conception PV charging system which is recently launched by our experts that provides maximum charging efficiency in any environmental condition. This charge controller is equipped with a number of outstanding features such as charging status

Eleccsol uses new-generation Lithium LiFePO4 batteries which offers 3 times more storage and power capacity versus conventional Lead Acid batteries. This

Eleccsol offers a break-through and valuable function in 'remotely' operating and monitoring performance of

System Specifications of Saubhagya Scheme SPV Home Lighting System:-

DESCRIPTION	
Power of PV module (W)	12V 200W to 12V 300W (100W x2 / 150W x2)
Lithium Battery Capacity	Li-FePO4 12.8V, 80Ah
Type	MPPT SCC with 16x2 LCD display
Input Voltage	12 V
Charging Current (Max.)	20A
Load Current (Max.)	7A (can be customize upto 11A)
Maximum Efficiency	> 90%
LED Light	Option of 5W, 7W, 9W LED in B-22 Cap or Batten type
DC Fan	15-20W Pedestal, Table, Ceiling Fan
No. of Load Output	1 Nos. USB port for Mobile Charging
	5 Nos. DC Connector for LED Bulbs
	1 Nos. DC Connector for DC Fan
	1 Nos. DC Connector for DC TV (3A Max.)
Indications: Battery Low - Red LED glow, Charging - Green LED glow, Full charge - Green LED off, Normal	
Protections: Battery over charge, Battery deep discharge, Over Load/Short circuit protection, with auto shut down and	
LCD Display Parameters: PV voltage, PV current, Battery	

Product can be customized as per the customer requirements

Solar Street Light



Dolphin
Model

6W-24W



Techno
Small Model

6W-24W



Techno
Big Model

40W-60W



Eco
Model

6W-12W



New Lite
Model (Inbuilt
Lion Battery)

6W-15W



Elite Model

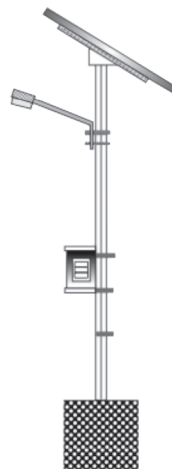
60W-70W

Luminary	6W LED Luminary	9W LED Luminary	12W LED Luminary	15W LED Luminary	18W LED Luminary	24W LED Luminary	30W LED Luminary	40W LED Luminary	50W LED Luminary	60W LED Luminary
GENERAL SPECIFICATION:-										
Application & Operation with High Efficiency	Solar Street light with dusk & dawn automation, outdoor application with boost converter with constant current & constant voltage, high sensitive indication in battery low & battery over voltage, all protection required for load and battery side i.e. short circuit protection., Reverse polarity protection, No load protection.									
Solar Panel Watt (max.) & Charging Profile	Solar PV Module 100W, Constant Current & Constant Voltage Charging, 6A Max. Current						Solar PV Module 150W, Constant Current & Constant Voltage Charging, 10A Max. Current			
Recommended Solar Panel (as Per MNRE)	40 Watt	50 Watt	60 Watt	75 Watt	100 Watt	120 Watt	150 Watt	225 Watt	300 Watt	325 Watt
Battery Type (recommended Size)	Tubular Lead Acid 40Ah		Tubular Lead Acid 60Ah		Tubular Lead Acid 75Ah/100Ah		Tubular Lead Acid 100-150Ah			
Lithium Battery Capacity (1 Day - 1.5 Days)	Li-ion 11.1V/6.6AH	Li-ion 11.1V/8.8AH	Li-ion 11.1V/11AH	Li-ion 11.1V/15.4AH	Li-ion 11.1V/18.2AH	Li-ion 11.1V/26AH	Li-ion 11.1V/30.8AH	Li-ion 11.1V/39.6AH	Li-ion 11.1V/49.4AH	Li-ion 11.1V/59.8AH
Recommended Solar Panel (with Lithium battery)	25Wp	40Wp			50Wp	60Wp	75Wp	100Wp		150Wp
Charge Controller Type	PWM						PWM/MPPT			
Load & Charging Efficiency	>90%									
Lumens / Wp	120 Lumens / Wp						150 Lumens / Wp			
LED Temperature CCT	5500°k - 6500°k									
Weight	Techno Small (1.7Kg)			Techno Big (2.3Kg)			Dolphin (1.4Kg)		ECO (1.2Kg)	
Dimensions	Techno Small 645(L) X 410 (W) X 385(H)			Techno Big 435(L) X 405(W) X 445(H)			Dolphin 590(L) X 410(W) X392(H)		ECO 575(L) X 465(W)X 370(H)	
Standard Packing	Techno Small (20pcs)			Techno Big (10pcs)			Dolphin (20pcs)		ECO(24Pcs)	

NOTE:- For Lithium Battery Operation, Light will glow in full bright mode for first 4Hrs. and after 4Hrs. Light will Dim to 33%

Features and Advantages

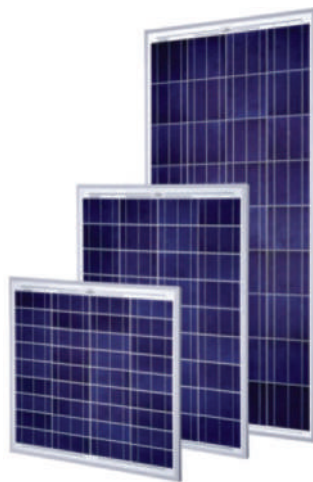
- DESIGNED, DEVELOPED AND MANUFACTURED IN INDIA
- HIGHER EFFICIENCY SOLAR PANEL FOR BETTER OUTPUT
- HIGH QUALITY MPPT DRIVER
- AUTOMATIC DIMMING OPTION AVAILABLE
- BETTER BATTERY BACKUP ON CLOUDY OR RAINY DAYS.
- >50000 HRS. LED LIFE SPAN
- IP67 RATED LUMINARY
- LITHIUM ION AND LITHIUM FERRO PHOSPHATE BATTERY AVAILABLE WITH STANDALONE SYSTEM
- OPTIONAL BLUETOOTH REMOTE CONTROL WHICH ENABLES TO MANAGE ON/OFF, DIMMING AND HEALTH CHECK OF LED FITTINGS.



Solar Photovoltaic Modules

Solar Photovoltaic Modules

5Wp-325W



TECHNICAL DATA

Module Type	DS10	DS20	DS40	DS50	DS60	DS75	DS80	DS100	DS120	DS125	DS130	DS150
Peak Power Watts (Pmax)	10	20	40	50	60	75	80	100	120	125	130	150
Maximum Power Voltage (Vmp)	17.85	17.15	17.84	17.89	18.04	17.99	18.09	17.99	17.79	17.90	17.99	17.85
Maximum Power Current (Imp)	0.62	1.18	2.25	2.80	3.33	4.17	4.43	5.57	6.75	6.99	7.24	8.41
Open-circuit Voltage (Voc)	21.65	21.44	21.95	21.77	21.66	22.12	22.24	21.84	21.58	21.65	21.80	22.58
Short-circuit Current (Isc) (A)	0.69	1.27	2.44	3.04	3.67	4.49	4.76	6.11	7.36	7.60	7.79	8.70
Module Efficiency STC (%)	9.24	12.25	13.07	13.55	14.21	14.74	15.72	13.67	14.20	14.20	15.39	15.19
Operating Temperature (°C)	-40°C~+85°C											
Maximum system Voltage	1000V DC (IEC)											
Maximum Series Fuse Rating	15A											

Temperature Characteristics (TC) and Permission Operating Conditions

Specification	Data
Tc of Open Circuit Voltage (B)	-0.35 ± 0.01% / °C
Tc of Short Circuit Current (a)	0.50 ± 0.02% / °C
Tc Power (Y)	-0.04 ± 0.02% / °C
Maximum System Voltage	1000 V (TUV)
NOCT	45°C ± 2°C
Temperature Range	-40°C to 85°C

Mechanical Data

Specification	Data										
Cell Arrangement	36Cells (9x4)										
Dimensions : Length (mm)	305	460	460	555	635	765	765	995	1155		1485
Dimensions : Width (mm)	335	355	666	665	665	665	665	665	665		665
Dimensions : Height (mm)	18	18	34	34	34	34	34	34	34		34
Weight	1.4Kg	2.8Kg	3.8Kg	4.6Kg	5.3Kg	6.8Kg	6.8Kg	7.5Kg	8.5Kg		10.6Kg
Mounting Hole to Hole Distance (mm)	NA		280	220	300	500			600		
Front Cover	3.2mm ARC Glass										
Frame Material	Anodized Aluminum Alloy										
Junction Box	IP 65 OR IP 67										
Product Warranty	5 Years										

Subject to errors and technical modifications within the scope of product improvement.

TECHNICAL DATA							
Module Type	DS200(12V)	DS200(24V)	DS250	DS265	DS315	DS320	DS325
Peak Power Watts (Pmax)	200	200	250	265	315	320	325
Maximum Power Voltage (Vmp)	18.03	36.10	30.10	30.8	36.5	36.60	36.7
Maximum Power Current (Imp)	11.1	5.55	8.30	8.60	8.64	8.75	8.86
Open-circuit Voltage (Voc)	22.32	44.64	37.20	37.8	45	45.10	45.2
Short-circuit Current (Isc) (A)	11.94	5.97	8.87	9.06	9.1	9.21	9.33
Module Efficiency STC (%)	15.39	15.39	15.30	16.22	16.23	16.49	16.74
Operating Temperature (°C)	-40°C~+85°C						
Maximum system Voltage	1000V DC (IEC)						
Maximum Series Fuse Rating	15A						

Temperature Characteristics (TC) and Permission Operating Conditions	
Specification	Data
Tc of Open Circuit Voltage (B)	-0.35 ± 0.01% / °C
Tc of Short Circuit Current (a)	0.50 ± 0.02% / °C
Tc Power (Y)	-0.04 ± 0.02% / °C
Maximum System Voltage	1000 V (TUV)
NOCT	45°C ± 2°C
Temperature Range	-40°C to 85°C
Efficiency Reduction at 200W/m ² , 25°C	>5%
Maximum Reserve Current (A)	12.5

Mechanical Data			
Specification	Data		
Cell Type	Multi crystalline 6"		
Cell Arrangement	72Cells (12x6)	60Cells (6x10)	72Cells (12x6)
Dimensions	1320*982*34*	1650*990*40/35*	1960*990*40/35*
Weight	12.0Kg	18.5Kg	22.0Kg
Mounting Hole to Hole Distance (mm)	600	1050	1350
Front Cover	3.2mm ARC Glass		
Frame Material	Anodized Aluminum Alloy		
Junction Box	IP 65 OR IP 67		IP 65 OR IP 68
Cables	4mm ² (IEC) / 4mm ² & 12 AWG 1000V (1000V UL) 1000mm		
By Pass Diodes	3 Pcs.		
40 Hq Container	800 Pcs.	728 Pcs.	572 Pcs.
Product Warranty	5 Years		
Performance Guaranteed	Guarantee Power Output of 90% for 10 years and 80% for 25 years		

Subject to errors and technical modifications within the scope of product improvement.



Off –Grid / On-Grid Application

- Designed for high area efficiency ideally suited for roof-top and ground-mounted applications.



Highly Reliable Due to Stringent Quality Control

- 100% EL Tested Before and after lamination



High Durability ensured

- Higher output of module power by reducing cell to module power loss.



Excellent Module Efficiency

- up to 16.4%



Positive Power Tolerance

- Positive power output tolerance guaranteed ensuring faster ROI



10Yrs Product Warranty 25Yrs Performance Warranty



Certifications

- IEC 61215, IEC 61730-1P2, ISO 9001, MNRE

All in one Solar Street Light

ELECSSL is one of the pioneers to manufacture "All in One Solar Street Light" in India. This product is tested and approved as per **MNRE** guidelines.

Features and Advantages



Smart MPPT Controller

MPPT is high efficient rate for solar charge controller which independently designed by **Eleccsol**. It generates more power especially during cloudy and rainy season.



Solar PV Module

High efficient Mono / Multi Solar Modules are used for longer durability. **Eleccsol** solar panels are certified by MNRE, TUV IEC61215, 61730.



Motion Detection

Eleccsol built in passive infrared motion detection system that automatically regulates the light power output full brightness 100% to dim mode 33% to increase battery autonomy.



Bluetooth Remote Control

Eleccsol offers optional remote control which enables to manage ON/OFF, dimming and health check of LED fittings.



LED Light

Eleccsol LED luminaries delivers the best in class lumen efficacy. Light gives the maximum light output at lower wattage.



No Cables Required

You do not need any cables for any connection to get grid power because its solar powered and user friendly products for easy installation.



Adjustable Mounting Bracket

Adjustable Mounting Bracket helps the solar panel positioned a best angle to fully absorb sunshine in different longitude and latitude areas.

Working of All in One Solar LED Street Light



During day time light switch to auto off for charging through solar panel.



Light will glow in full bright mode for first 4 Hrs. at night and then it will come to 33% power & motion sensor will activate for detection of motion.



If any motion is detected in 12 Mtr. area around the light, it will glow in full bright mode for 2 mins.



6W-7W



9W-15W



Hybrid

Technical Specifications: All In One Solar Street Light

Model No.	6W LED	9W LED	12W LED	15W LED
Physical Parameters				
Power of PV module (W)	25Wp	40Wp	40Wp	40Wp
Lithium Battery Capacity (1 Day - 1.5 Days)	Li-ion 11.1V/6.6AH Li-FePO4 12.8V/6AH	Li-ion 11.1V/11AH Li-FePO4 12.8V/9AH	Li-ion 11.1V/13AH Li-FePO4 12.8V/12AH	Li-ion 11.1V/15AH Li-FePO4 12.8V/13.5AH
Lithium Battery Capacity (2 Days)	Li-ion 11.1V/10.4AH Li-FePO4 12.8V/9AH	Li-ion 11.1V/15.4AH Li-FePO4 12.8V/12AH	Li-ion 11.1V/19.8AH Li-FePO4 12.8V/16.5AH	Li-ion 11.1V/23.4AH Li-FePO4 12.8V/21AH
PIR Sensor	Provided	Provided	Provided	Provided
Net Weight of Product (Kg)	6.3kg	9kg	10kg	12kg
Dimension of Product (mm)	480(L) x 400(W) x 43(H)	710 (L) x 517(W) x 43(H)	710(L) x 517(W) x 43(H)	710(L) x 517(W) x 43(H)
Driver Parameters				
Charge Controller Type	PWM	PWM	PWM	PWM
LED Driver Efficiency	>90%	>90%	>90%	>90%
Light Parameters				
Colour Temperature	5500K-6500K	5500K-6500K	5500K-6500K	5500K-6500K
Typical Luminous Flux (Lm)	600	900	1200	1500
Light backup Time (1 Day - 1.5 Days)	17Hr-18Hr	17Hr-18Hr	16Hr-17Hr	14Hr-15Hr
Light backup Time (2 Days)	23Hr-24Hr	23Hr-24Hr	23Hr-24Hr	23Hr-24Hr
Packing parameters				
Dimension Of carton	600(L) x 440(W) x 110(H)	920(L) X 580(W) X 150(H)	920(L) X 580(W) X 150(H)	920(L) X 580(W) X 150(H)
Gross Weight of Product (Kg)	7.5kg	12.6Kg	13.4Kg	14.5Kg
Mounting Recommendations				
Top of Pole OD (mm)	40mm-46mm	70mm-76mm	70mm-76mm	70mm-76mm
Recommended Installation Height (Mtr.)	5Mtr.	5Mtr.	5Mtr.	5Mtr.
Protection Provided				
All In One Protections	Battery deep discharge protection, Over charge protection, Load open Protection, Charging and battery indication, Reverse current flow protection, Temperature compensation, Short circuit protection			
All In One Operation	Light will glow in full bright mode for first 4Hrs., After 4Hrs. Light will Dim to 33% power and motion sensor will activate for detection of motion. If any motion is detected in 12M area around the Light, then it will glow in full mode for 2min., After that it will again come to 33% Power.			

Note: Subject to errors and technical modifications within the scope of product improvement



18W



20W



25W-30W

Technical Specifications: All In One Solar Street Light

Model No.	18W LED	20W LED	25W LED	30W LED
Physical Parameters				
Power of PV module (W)	50Wp	60Wp	75Wp	75Wp
Lithium Battery Capacity (1 Day - 1.5 Days)	Li-ion 11.1V/19.8AH Li-FePO4 12.8V/18AH	Li-ion 11.1V/23.4AH Li-FePO4 12.8V/21AH	Li-ion 11.1V/26AH Li-FePO4 12.8V/24AH	Li-ion 11.1V/32AH Li-FePO4 12.8V/28.5AH
Lithium Battery Capacity (2 Days)	Li-ion 11.1V/28.6AH Li-FePO4 12.8V/24AH	Li-ion 11.1V/33AH Li-FePO4 12.8V/27AH	Li-ion 11.1V/39AH Li-FePO4 12.8V/34.5AH	Li-ion 11.1V/48.4AH Li-FePO4 12.8V/42AH
PIR Sensor	Provided	Provided	Provided	Provided
Net Weight of Product (Kg)	13.5kg	15kg	19kg	22kg
Dimension of Product (mm)	710 (L) x 517(W) x 43(H)	900(L) x 560(W) x 43(H)	1050(L)x 560(W) x 43(H)	1050(L)x 560(W) x 43(H)
Driver Parameters				
Charge Controller Type	PWM	PWM	PWM	PWM/MPPT
LED Driver Efficiency	>90%	>90%	>90%	>90%
Light Parameters				
Colour Temperature	5500K-6500K	5500K-6500K	5500K-6500K	5700K
Typical Luminous Flux (Lm)	1800	2000	2500	3750
Light backup Time (1 Day - 1.5 Days)	16Hr-17Hr	17Hr-18Hr	15Hr-16Hr	15Hr-16Hr
Light backup Time (2 Days)	23Hr-24Hr	23Hr-24Hr	23Hr-24Hr	23Hr-24Hr
Packing parameters				
Dimension Of carton	920(L) X 580(W) X 150(H)	1120(L) X 640(W) X 150(H)	1250(L)x 640(W) x 150(H)	1250(L)x 640(W) x 150(H)
Gross Weight of Product (Kg)	16.8Kg	20.8kg	23Kg	25Kg
Mounting Recommendations				
Top of Pole OD (mm)	70mm-76mm	70mm-76mm	70mm-76mm	70mm-76mm
Recommended Installation Height (Mtr.)	5Mtr. - 6Mtr.	5Mtr. - 6Mtr.	5Mtr. - 6Mtr.	5Mtr. - 6Mtr.
Protection Provided				
All In One Protections	Battery deep discharge protection, Over charge protection, Load open Protection, Charging and battery indication, Reverse current flow protection, Temperature compensation, Short circuit protection			
All In One Operation	Light will glow in full bright mode for first 4Hrs., After 4Hrs. Light will Dim to 33% power and motion sensor will activate for detection of motion. If any motion is detected in 12M area around the Light, then it will glow in full mode for 2min., After that it will again come to 33% Power.			

Note: Subject to errors and technical modifications within the scope of product improvement



40W



50W



60W

Technical Specifications: All In One Solar Street Light

Model No.	40W LED	50W LED	60W LED
Physical Parameters			
Power of PV module (W)	100Wp	120Wp	150Wp
Lithium Battery Capacity (1 Day - 1.5 Days)	Li-ion 11.1V/44.2AH Li-FePO4 12.8V/36AH	Li-ion 11.1V/52AH Li-FePO4 12.8V/45AH	Li-ion 11.1V/63.8AH Li-FePO4 12.8V/54AH
Lithium Battery Capacity (2 Days)	Li-ion 11.1V/63.8AH Li-FePO4 12.8V/54AH	Li-ion 11.1V/85.8AH Li-FePO4 12.8V/69AH	Li-ion 11.1V/96.2AH Li-FePO4 12.8V/81AH
PIR Sensor	Provided	Provided	Provided
Net Weight of Product (Kg)	25kg	27.5kg	32kg
Dimension of Product (mm)	1350(L)x 560 (W)x 43(H)	1350(L)x 560(W) x 43(H)	1710(L)x 560(W) x 43(H)
Driver Parameters			
Charge Controller Type	PWM/MPPT	PWM/MPPT	PWM/MPPT
LED Driver Efficiency	>90%	>90%	>90%
Light Parameters			
Colour Temperature	5700K	5700K	5700K
Typical Luminous Flux (Lm)	5000	6250	7500
Light backup Time (1 Day - 1.5 Days)	15Hr-16Hr	15Hr-16Hr	15Hr-16Hr
Light backup Time (2 Days)	23Hr-24Hr	23Hr-24Hr	23Hr-24Hr
Packing parameters			
Dimension Of carton	1545(L)X650(W)X150(H)	1545(L)X650(W)X150(H)	1905(L)X650(W)X150(H)
Gross Weight of Product (Kg)	28kg	30kg	34.3kg
Mounting Recommendations			
Top of Pole OD (mm)	70mm-76mm	70mm-76mm	70mm-76mm
Recommended Installation Height (Mtr.)	6Mtr.-8Mtr.	6Mtr.-8Mtr.	6Mtr.-8Mtr.
Protection Provided			
All In One Protections	Battery deep discharge protection, Over charge protection, Load open Protection, Charging and battery indication, Reverse current flow protection, Temperature compensation, Short circuit protection		
All In One Operation	Light will glow in full bright mode for first 4Hrs., After 4Hrs. Light will Dim to 33% power and motion sensor will activate for detection of motion. If any motion is detected in 12M area around the Light, then it will glow in full mode for 2min., After that it will again come to 33% Power.		

Note: Subject to errors and technical modifications within the scope of product improvement

Solar Home Lighting System



Savera

LED Bulb - 0.5w x 3 No's.

Battery - 7.4V, 2.6Ah Lithium Battery

SPV - 5W Solar Panel

USB Mobile Charging

AC Adapter Charging

Driver - MCU Based

Protection - Short Circuit Protection, Reverse Polarity Protection, Over Charging, Deep discharging

Wire & Switches - 4 Mtr. Wire with Each LED Bulb with on-off Switch

Backup - Upto 6 Hrs. with 3 LED Bulb

Standard Packing - 15 Pcs.

Customized Solution Available

Savera with FM

SPV - 10W Solar Panel

LED Bulb - 3W LED x 3 No's.

Battery - 7.4V, 5.2Ah Lithium or 12V 7.2Ah SMF Battery

USB Mobile Charging

AC Adapter Charging

FM Radio Option

Driver - MCU Based

Protection - Short Circuit Protection, Reverse Polarity Protection, Over Charging, Deep discharging

Wire - 4 Mtr. Wire with Each LED Bulb with on-off Switch

Backup - Upto 6 Hrs. with 3 LED Bulb

Customized Solution Available



Solar Charge Controller



12V/6A

Application	Home Lightning System, Battery Charging, Off Grid Solar
ELECTRICAL SPECIFICATION:-	
Operating Voltage	12V/6A
Recommended SPV Wattage (max.)	75Wp
Charging and Load Efficiency	>90%
Max. Load Current	4A
Max. Panel Current	6A

12V/10A

Application	Home Lightning System, Battery Charging, Off Grid Solar
ELECTRICAL SPECIFICATION:-	
Operating Voltage	12V/10A
Recommended SPV Wattage (max.)	100Wp
Charging and Load Efficiency	>90%
Max. Load Current	4A
Max. Panel Current	10A



INDICATION:-

Normal Indication (Green LED)	Full Glow Indicated Working Properly	Charging & Full Charging	Green LED Continuous Glow Indicates Charging, When Battery is Full Charged Green Will Start Blinking
Battery Low (Red LED)	Full Glow Indicated Battery is Discharged	Extra Features	Mobile Charging Available
Overload Indication	Red LED Full Glow		

12V/20A MPPT (LCD Option Available)

Type	MPPT SCC with 16x2 LCD display
Input voltage	12 V
Charging current (Max.)	20A
Load current (Max.)	10A
Maximum efficiency	> 90%
No. of Load Output	Switch to On/Off the loads
	1 Nos. USB port for mobile charging
	5 Nos. DC Connector for LED bulbs
	1 Nos. DC Connector for DC Fan
Bluetooth & GSM/GPRS	1 Nos. DC Connector for DC TV (3A Max.)
	Remotely Operating and Monitoring the performance of each system. It uses a range of wireless connection and technologies.
Indications: Battery Low - Yellow LED glow, Charging - Green LED glow, Full charge - Green LED off, Normal Operation - Green LED glow, Other fault - Red LED blink, Overload LED blink	
Protections: Battery over charge, Battery deep discharge, Over load/Short circuit protection with auto shut down and restart. Solar and battery reverse protection, Temperature compensation, Reverse current from battery at night, Surge protection	
LCD Display Parameters: PV voltage, PV current, Battery voltage, Battery current, Load current, Battery percentage, Battery backup time left (Hrs. - min), Faults	



Solar LED Bulbs & Tubes

3W LED BULB (ABS)

Material	ABS
Light Output	120 Lm / Wp
Cool White	6500°K
Lifespan	50,000 Hrs.
Base Type	B-22 / E-27
Efficiency	>90%



3W LED BULB

5W LED BULB (ABS)

Material	ABS
Light Output	120 Lm / Wp
Cool White	5500°-6500°K
Lifespan	50,000 Hrs.
Base Type	B-22 / E-27
Efficiency	>90%



5W LED BULB

5W LED BULB (Aluminum)

Material	Aluminum Alloy + PC
Light Output	120 Lm / Wp
Cool White	5500°-6500°K
Lifespan	50,000 Hrs.
Base Type	B-22 / E-27
Efficiency	>90%



5W LED BULB

8W LED BULB (Aluminum)

Material	Aluminum Alloy + PC
Light Output	120 Lm / Wp
Cool White	5500°-6500°K
Lifespan	50,000 Hrs.
Base Type	B-22 / E-27
Efficiency	>90%



8W LED BULB

5W LED TUBE LIGHT - DC

Material	Aluminum Alloy + PC
Light Output	120 Lm / Wp
Cool White	5500°-6500°K
Lifespan	50,000 Hrs.
Base Type	Al. Type
Efficiency	>90%



8W LED TUBE LIGHT - DC

Material	Aluminum Alloy + PC
Light Output	120 Lm / Wp
Cool White	5500°-6500°K
Lifespan	50,000 Hrs.
Base Type	Al. Type
Efficiency	>90%



Multistrand Copper Wire



MULTI CORE COPPER CONDUCTOR PVC INSULATED & SHEATHED ROUND CABLES

Nominal Cross Sectional Area of Conductor (Sq. mm)	Number / Nominal Diameter of wire (No. / mm)	Nominal Thickness of Insulation (Sq. mm)	Core Diameter (mm)	Nominal Thickness of Sheath (mm)			Approximate Over all Diameter (mm)			Current Rating Amp.	Maximum Resistance at 20°C OHM / KM
				Two Core	Three Core	Four Core	Two Core	Three Core	Four Core		
0.50	16/0.20	0.60	2.20	0.90	0.90	0.90	6.20	6.20	7.20	4	39.00
0.75	24/0.20	0.60	2.50	0.90	0.90	0.90	6.80	7.20	7.90	7	26.00
1.0	32/0.20	0.60	2.60	0.90	0.90	0.90	7.00	7.50	8.10	12	19.50
1.5	30/0.25	0.60	2.90	0.90	0.90	0.90	7.60	8.10	9.00	16	13.30
2.5	50/0.25	0.70	3.50	1.00	1.00	1.00	9.00	9.60	10.50	22	7.98
4.0	56/0.30	0.80	4.30	1.00	1.00	1.00	10.60	11.30	12.40	29	4.95
6.0	85/0.30	0.80	5.10	1.15	1.15	1.40	12.60	13.40	15.20	37	3.30

Solar Lanterns

DREAMLITE	
DESCRIPTION	SPECIFICATIONS
LED	3W LED Lantern
Mode of Operation	3 Mode - High / Medium / Low
Battery	6V, 4.5 Ah SMF, Li-ion 7.4V/2600 mAh
SPV Module	5WP, Multi Crystalline Solar Module
Lumens Output	120 Lm/Wp
LED Life	Upto 50,000 Burning Hrs.
Mobile Charger	750 mA Charging Current
Indications	Battery Low Warning, Battery Charging, Battery Full Charge
Protection	Short Circuit Protection, Reverse Polarity Protection, Over Charging, Deep Discharging
Gross Weight	1.26 Kgs
Standard Packing	15 pcs.



STUDY LAMP	
DESCRIPTION	SPECIFICATIONS
LED	1W LED Study Lamp
Mode of Operation	High / Low
Battery	3.7V, 2.2Ah / 2.6Ah Li-ion Battery
SPV Module	2WP Multi Crystalline Solar Module
Lumens Output	120Lm/w
LED Life	Upto 50000 burning Hrs.
Mobile Charger	750mA Charging Current
AC Adapter	Option of AC Charging
Body	ABS & Polycarbonate
Dimensions	113MM and height 300MM
Colour	Red & yellow
Indications	Red for low battery, charging will indicate green
Protection	Over Charging and Deep Discharging Protection

Advantages :-

Best Quality LED'S for Longer Life (50,000 Burning Hrs.) # In-House Designed of High Efficiency PCB's # Available with Mobile Charging Option

Solar Dreamlite Lantern :-



Installed Projects



65KW - Kargil



50KW - Rewari



50KW - Faridabad



30KW - Goa



Floating Power Plant



20KW - Ajmer



Home lighting system installed in 11,000 household in west bengal for coal india ltd. project

Our Clientele

Government of India
Ministry of New and Renewable Energy
Renewable Energy is Green, Clean and Sustainable



**NUCLEAR POWER
CORPORATION OF INDIA**
A Government of India Enterprise



University of Delhi
दिल्ली विश्वविद्यालय



The Energy and Resources Institute



Central Electronics Ltd



emPowering People



Solar Solutions That You Need

Manufactured By:

Devang Solaar

Corporate Office: 4/16, Site-4, Adarsh Industrial Area, Sahibabad,
Ghaziabad (U.P.) -201010 (INDIA)

T: +91 120 4377024 /25 / 26 | **E:** info@elecisol.com

Manufacturing Unit: 4/5, Site-4, Adarsh Industrial Area, Sahibabad,
Ghaziabad (U.P.) -201010 (INDIA)

Branch Office: B-2033, Indra Nagar, Lucknow (U.P.) -226016 (INDIA)

Radhey Krishna Energy Saver 29 A, Rabindra Sarani, Near Poddar Court
Kolkata -700073 (INDIA)