



DEEPA SOLAR SYSTEMS PRIVATE LIMITED

#4,80ft ring road next to BDA complex ,Nagarabhavi,Bangalore,

WWW.deepasolar.com,Ph:08023188484

Solar LED/CFL Street Light



Description: Deepa's Solar Street Lighting Systems are raised light sources which are innovatively integrated with power generation, storage and maintenance system, CFL / LED lamp, battery, control electronics, Solar Photo Voltaic Module, Mounting structure and associated hardware. This integrated system is a modern lighting system for illumination of streets, squares, junctions, avenues and key intersections located in areas without access to the power grid. The lighting system is designed aesthetically and really useful for conserving power and producing light in a hassle free manner for the benefit of public. It helps the clients to reduce the power bills and a solution to power cuts. Deepa Solar Systems has a wide range of Solar Street lights which includes CFL and LED lamps for different lighting requirements.



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Features:

- Automatic dusk to dawn / Timer operation
- Highly efficient PWM/MPPT charge controller and inverter
- Three step charging algorithm
- Temperature compensated battery set points
- Weather proof luminaries
- Adequate protections and indications

Application:

- Rural street Light Applications
- Urban Street Light Applications
- Path Way Lighting
- Holiday Resorts Lighting
- Railway and Shipyard Township
- Campus Lighting
- Farm House Lighting
- Amusement Parks Lighting
- National Parks Lighting
- Water Source illumination



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Technical Specification

MODEL	DSLS-ST-8W	DSLS-ST-11W	DSLS-ST-15W	DSLS-ST-18W
SPV Module	12V/37Wp	12V/60Wp	12V/74Wp	12V/80Wp
Battery	12V/60Ah	12V/75Ah	12V/90Ah	12V/90Ah
CCU	12V/5A	12V/5A	12V/5A	12V/10A
Working Hours	12 Hrs/Day	12 Hrs/Day	12 Hrs/Day	12 Hrs/Day
Autonomy (No of Days Working)	2 Days	2 Days	2 Days	2 Days
Working Volt Range	110V to 270V	110V to 270V	110V to 270V	110V to 270V
Frequency Range	47-60 Hz	47-60 Hz	47-60 Hz	47-60 Hz
Colour Temperature	6500K	6500K	6500K	6500K
Beam Angle	>120°/ 60x120	>120°/ 60x120	>120°/ 60x120	>120°/ 60x120
CRI	>70 Ra	>70 Ra	>70 Ra	>70 Ra
Operating Temp.	(-20° to 60°C)	(-20° to 60°C)	(-20° to 60°C)	(-20° to 60°C)
Working Humidity	<95%	<95%	<95%	<95%
Power Efficiency	>90%	>90%	>90%	>90%
Metal	Alm. Dye cast	Alm. Dye cast	Alm. Dye cast	Alm. Dye cast
IP Rating	IP 65	IP 65	IP 65	IP 65
Applications	Street & Roads	Street & Roads	Street & Roads	Street & Roads



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MODEL	DSLS-ST-24W	DSLS-ST-36W	DSLS-ST-40W	DSLS-ST-42W
SPV Module	12V/100Wp	12V/150Wp	12V/180Wp	12V/200Wp
Battery	12V/110Ah	12V/150Ah	12V/180Ah	12V/200Ah
CCU	12V/15A	24V/15 OR 20A	24V/15 OR 20A	24V/15 OR 20A
Working Hours	12 Hrs/Day	12 Hrs/Day	12 Hrs/Day	12 Hrs/Day
Autonomy (No of Days Working)	2 Days	2 Days	2 Days	2 Days
Working Volt Range	110V to 270V	110V to 270V	110V to 270V	110V to 270V
Frequency Range	47-60 Hz	47-60 Hz	47-60 Hz	47-60 Hz
Colour Temperature	6500K	6500K	6500K	6500K
Beam Angle	>120°/ 60x120	>120°/ 60x120	>120°/ 60x120	>120°/ 60x120
CRI	>70 Ra	>70 Ra	>70 Ra	>70 Ra
Operating Temp.	(-20° to 60°C)	(-20° to 60°C)	(-20° to 60°C)	(-20° to 60°C)
Working Humidity	<95%	<95%	<95%	<95%
Power Efficiency	>80%	>80%	>80%	>80%
Metal	Alm. Dye cast	Alm. Dye cast	Alm. Dye cast	Alm. Dye cast
IP Rating	IP 65	IP 65	IP 65	IP 65
Applications	Street & Roads	Street & Roads	Street & Roads	Street & Roads



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MODEL	DSLS-ST-60W	DSLS -ST - 80W	DSLS-ST-100W
SPV Module	12V/250Wp	12V/300Wp	12V/500Wp
Battery	12V/300Ah	12V/400Ah	12V/500Ah
CCU	24V/15 OR 20A	24V/15 OR 20A	24V/15 OR 20A
Working Hours	12 Hrs/Day	12 Hrs/Day	12 Hrs/Day
Autonomy (No of Days Working)	2 Days	2 Days	2 Days
Working Volt Range	110V to 270V	110V to 270V	110V to 270V
Frequency Range	47-60 Hz	47-60 Hz	47-60 Hz
Colour Temperature	6500K	6500K	6500K
Beam Angle	>120°/ 60x120	>120°/ 60x120	>120°/ 60x120
CRI	>70 Ra	>70 Ra	>70 Ra
Operating Temp.	(-20° to 60°C)	(-20° to 60°C)	(-20° to 60°C)
Working Humidity	<95%	<95%	<95%
Power Efficiency	>80%	>80%	>80%
Metal	Alm. Dye cast	Alm. Dye cast	Alm. Dye cast
IP Rating	IP 65	IP 65	IP 65
Applications	Street & Roads	Street & Roads	Street & Roads
Customized orders undertaken			

The spec is all CPRI tested, MNRE & DGS&D Approved.

