

RITIKA SYSTEMS

Solar Power Generating Systems

Products :

Solar Lanterns

Solar Home Lighting Systems

Solar Street Lighting Systems

Solar Garden Lights

Solar Blinkers

Solar Traffic Controllers

Solar Street Lighting Controllers

Solar Fans

Solar Caps

Solar Toys

Solar Road Sparklers

Solar Power Packs

DC Luminaires

Charge Controllers

Change Over Switches

Solar Inverters

Solar Aviation Lights

Solar Pumps

Solar Bill Boards

Solar LED Lighting Systems

Solar LED Lanterns

Solar Battery Chargers

Solar Torches

Solar Custom built Devices



RITIKA SYSTEMS offer a wide range of Solar PV Street Lighting Systems with standard and custom built versions. The standard model generally conforms to MNES specifications.

General Specification

System Voltage	12 V DC	
Solar PV Module of 37 Wp		2 Nos.
Or Solar PV Module of 74 Wp		1 No.
12V 75 Ah at C / 10 rate lead acid battery		1No.
CFL-11W Luminaire		1 No.
Battery Box		1No.
Module Mounting frame		1 No.
Nuts / Bolt / Hardware/ Cable		1Set
Pole (5m) Painted , GI		1No.

Electrical Specification

CHARGE CONTROLLER IN STREET LIGHT LUMINAIRE

Max. Charging Current	6A
Load disconnect battery Voltage	11.2 ± 0.2 Volts or as required
Load reconnect battery Voltage	12.5 ± 0.2 Volts or as required
Constant Charging Voltage	14.5 ± 0.2 Volts or as required
Idle current consumption	Less than 10 mA.

Light Output

900 lumens (Nominal)
for CFL 11w Lamp

VARIANTS

SPV Street Lighting Systems

PV Modules

30 Wp, 35Wp, 37Wp, or 2×35Wp, 2×37Wp, 74W depending upon hours of lighting and type of lamp required. CFL 9 / 11 Watts, or TLD 18/20 Watts or SOX 18 / 35 Watts. 3 / 5 / 7 / 9 / 12 Hours or dusk to dawn only or 12 Hours which ever is earlier or as per customer's requirements. Module switching or LDR switching or Manual. Positive Tubular Plate Battery of 12 V 75 Ah at C/10 rate or pasted Plate Type Battery of 12 V 120Ah at C/20 rate or Sealed Maintenance Free Lead Acid battery of 12 V 65 Ah at C/20 rate or any other type of battery and rating required by the customer.

Lamp Options

Hours of Light Option

Switching options

Battery Options

Electronic Options

Inverter:

Push pull type or Blocking oscillator type

Protection options:

Reverse polarity
Battery deep discharge
Battery overcharge

Indication options:

Reverse polarity.
Battery Low.
Battery High.
Battery Charging in Progress.
Glass fiber / Aluminum /MS/ ABS

Luminaire Housing options

Structure Options

Galvanized / Painted and mechanical requirements as per customer's specification.



RITIKA SYSTEMS PRIVATE LIMITED

C-22/18, Sector 57, Noida - 201301 (U.P.) India Telephone : 2586610 Fax : 2586609

Email : wadhwa_a@vsnl.net website : www.ritikasystems.in

Regd. Office : Shop No. 6, LSC, Site No. 42, Morland, Behind K-Block School, Kalkaji, New Delhi-110019 (India)

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