

ELSONIC® NITESUN® SOLAR STREET LAMPS & GARDEN LAMPS



ELSONIC® NITESUN® SOLAR OUTDOOR RANGE OF LAMPS

11-Watt, 18-Watt or 36 Watt CFL Lamps. Provided with dual-charging options. Normally supplied with a 20-Watt Solar Panel. For faster charging larger Solar Panels may be connected. The built-in facility with solar regulator and charge controller from AC Power source is thyristor controlled to ensure pulsed fast-charging with dynamic cut-off from battery overcharge and excess discharge. System will automatically choose Solar charge if both AC power and Solar Power are connected and there is sufficient sunlight.

Standard Technical Features:-

- Built-in valve-regulated SMF battery for maintenance-free use up to 4 years
- Dusk-Dawn sensor-triggered switch, automatically switches on lamp at night & off during the day
- Mains Utility input at 220 Volts, 50 Hz. A.C. (or optional 110 Volts, 60 Hz. A. C.-North America)
- Solar Panel input 15% Efficiency Polycrystalline ranging from 20 Watt to 160 Watt
- Retro-Fit Design, compact, self-contained in IP65 enclosures to be mounted directly on plastic or steel posts
- Standard Steel enclosures with option of plastic enclosures and plastic lamp-overhang or straight supports

All control features including automatic overcharge shut-off & excess discharge shut-off are indicated through 5 LED status indicators as follows:-

- Red LED shows AC-Power battery-charge status. When fully charged the red LED shuts off or flashes when the battery has almost reached full charge status.
- Yellow LED shows Solar-Power battery-charge status. When fully charged the yellow LED shuts off or flashes when the battery has almost reached full charge status.
- Orange LED shows AC-Utility Power connected status.
- Green LED shows automatic lamp action when external utility power fails.
- Blue LED shows Battery low status. The excess battery discharge cut-off circuit is activated thereby preventing further use till after re-charge through solar energy or mains utility.