



Solar-Powered LED 12V / 3-Bulb Lighting System / 25W

SLR002-25W-TPW-001

Clean, Renewable Off-Grid High-Intensity Light Source for Off-Grid Environments

Complete System: From Sunlight to Bulb Light — Up to 8 Hours of Continuous Illumination per Full Charge

SYSTEM INCLUDES

Everything needed to convert sunlight to electricity for lighting:

- **Solar Panel:** 25-Watt / IP65
- **Cables:** (3) 20-ft/18 ga. with (3) Light Sockets
 - (1) 20-ft/18 ga. w/ Cigarette Lighter Connector
 - (1) 12-inch/18 ga. w/Cellphone Charge Conn.
 - (1) 6-ft/16 ga. battery cable
- **Battery:** 12V / 14-Amp-hour / Sealed
- **Solar Power Box** with Charge Controller
- **Lamps:** (3) 12/14VDC White LED Floodlights

OPTIONAL ACCESSORIES

- **Fan:** 6 inch (152.4mm) / 12VDC / 0.8A Max / 10 Watts Max



OPTIONAL FAN NOT INCLUDED

PHONE NOT INCLUDED

SPECIFICATIONS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

PART NUMBER	SLR002-25W-TPW-001
PV MODULE / SOLAR PANEL	
Cell Type	Monocrystalline
Frame Material	Anodized Aluminum Alloy
Front Cover	Tempered Glass
Maximum Power (P_{max})	36.1 W typ @1000W/m ²
Working Voltage (V_{max})	12V-17V
Max. Power Current (I_{max})	2.40A
Open Circuit Voltage (V_{oc})	21.0V
Short Circuit Current (I_{sc})	2.50A
Dimensions	26.10" x 17.10" x 1.08" 662.9 x 434.3 x 27.4mm
Weight	7.7 lbs / 3.5 kg
Environmental Rating	IP65 (Protected from Dust & Rain)
LAMPS	
Emitted Color	True White
Color Temperature	4800K-5200K
Viewing Angle	3x 40° <small>[Full Beam Width @50% Intensity]</small>
Input Voltage	12-14VDC
Input Current	250mA
Input Power	3.5 Watts
Efficacy	63 lm/W
Maximum Candela	300 cd
Total Lumens	220 lm

BATTERY

- Rechargeable Sealed Lead Acid / 12V / 14Ah
- 1000~2000 Charge/Discharge Cycles – Lifespan of up to 6 Years

SOLAR POWER BOX

- 16AWG Wiring, Terminal Block, Voltage Regulator with Low-Voltage Disconnect
- 5 Amps Maximum Current
- **Autoswitching** 12/24 VDC
- **Fused** for Protection
- **Charge Time:** 8 Hrs. in Sunlight
- **Operational Time:** Up to 8 Hrs. with 3 Lamps, 1 6-inch Fan, 1 Cell Phone Charger

BATTERY OVERCHARGE AND OVERDISCHARGE PROTECTION

- **RCA Jacks:** 12VDC – Power (3) Light Sockets, (1) Cellphone Charger, (1) Fan

CELLPHONE CHARGE CONNECTORS

- (2) Cigarette Lighter Connectors: (1) 12-ft, (1) 20-ft
- 0.3A Max

CUSTOM OPTIONS

- Larger Sized Solar Panels Available
- Larger Sized Batteries
- Optional 12-Volt Lamp Styles
- Other White Light Color Temperatures

White LED technology is patent protected in the United States. LEDtronics white LED products are covered under these patents.

FEATURES

- **Kit Warranty:** 1 Year
- 12V Power Connectors for **3 Lamps, 1 Fan & 1 Cellphone Charging Adapter**
- Solar Panel Meets **IP65** for Environmental Protection
- **ON/OFF Switch-Selectable** for Lamps & Solar Panel Charge
- Houses Charge Controller and Battery
- Battery Lasts 3 to 6 Years

APPLICATIONS

- **Emergency:** Roving Blackouts or Power Outage Home Backup Lighting, Vehicle Roadside Emergency Light
- **Off-Grid Sites:** Remote Cabins, Offshore Oil Platforms
- Marine & Boating
- Recreational Vehicle or Motor Homes / Cabins
- **Nature Enthusiasts:** Campers & Hunters
- **Disasters:** Earthquake and Hurricane Emergency Kits

BENEFITS

- **Major Energy Cost Savings:** Solar-Rechargeable Battery Offers Utility-Independence
- **Easy & Quick to Install** and Virtually Maintenance-Free
- **Eliminates Hazards** (Fires, Burns, Fumes, Spills and Explosions) and Fuss of Using Propane or Kerosene-Fueled Lighting
- **Fully-Charged Battery** Powers 3 High-Intensity Lamps, 1 Fan & Charges 1 Cellphone for Approx. 8 Hours
- **Clean, Green Energy** from the Sun: Using LED Lamps with Renewable Energy Sources Helps Reduce Reliance on Fossil Fuels
- **Eco-Friendly:** Solar-Rechargeable Battery Eliminates Environmental Impact Associated with One-Time-Use Batteries

www.LEDtronics.com

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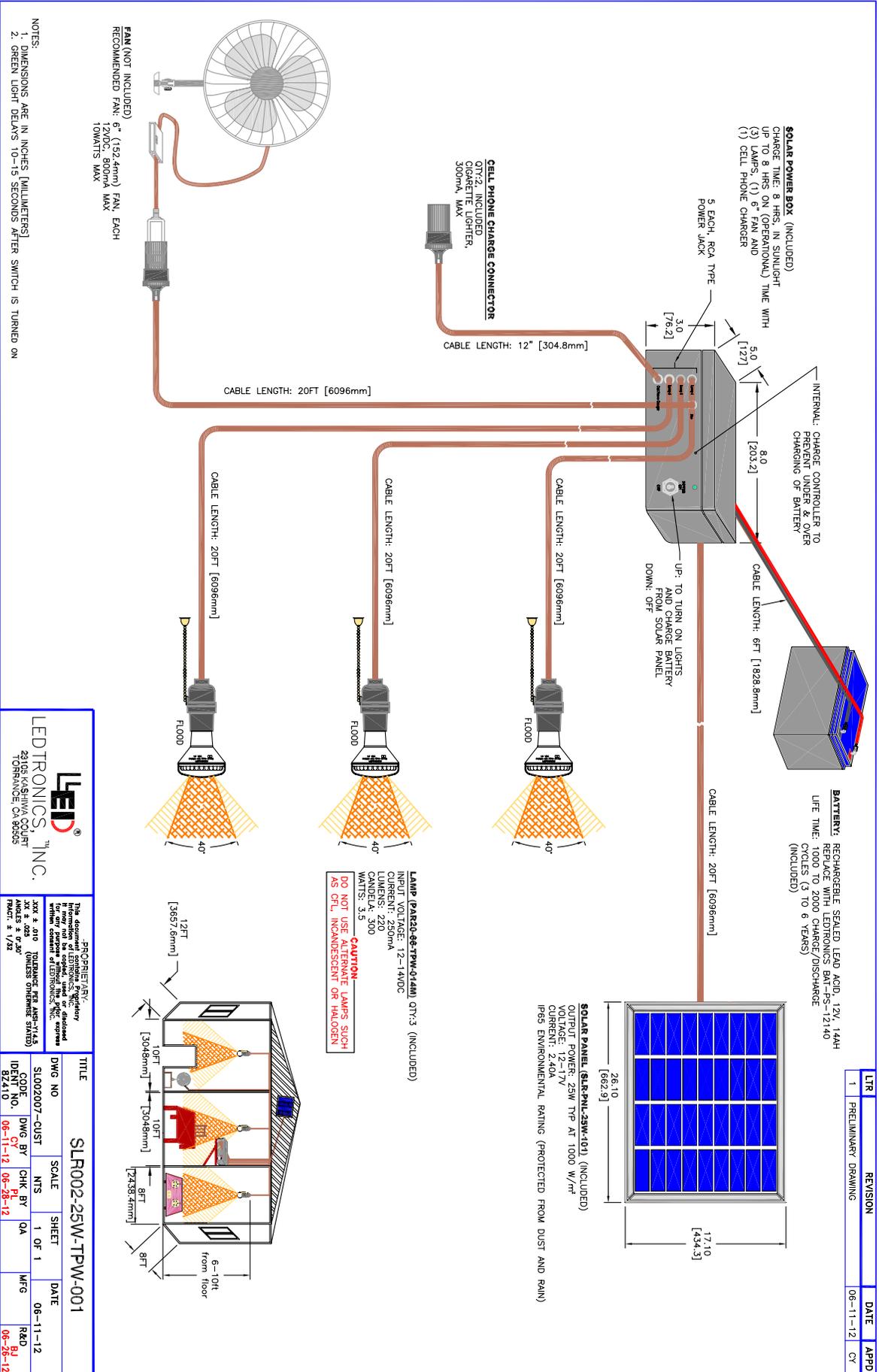
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LT#	REVISION	DATE	APPD
1	PRELIMINARY DRAWING	06-11-12	CY

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DWG NO	SCALE	SHEET	DATE
SLR002-25W-TPW-001	NTS	1 OF 1	06-11-12

ID#	DWG BY	CHK BY	QA	MFG	R&D
82410	06-11-12	06-28-12			06-26-12

- NOTE**
- Writing and bulb sockets are not rated for outdoor use. These devices are subject to corrosion if left outdoors.
 - Do not use alternate lamps such as CFL, incandescent or halogen
 - Green light delays 10-15 seconds after switch is turned on
- When charging a cell phone with the Solar Kit, the user will need to provide a POWER ADAPTER used to convert 12-volt automotive power to their cell phone's power needs, typically 5V with a Micro-USB plug.