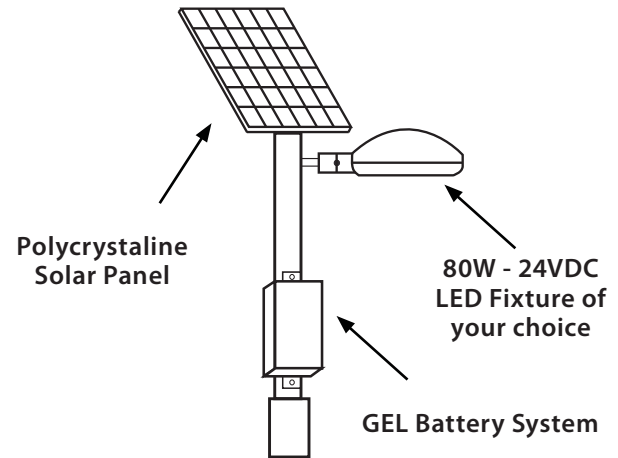




Choose Any Neptun LED Fixture



Incredible OFF GRID Operation

GENERAL DESCRIPTION

Neptun's GEL Solar Lighting Systems feature a long life, fully rechargeable unit that allows for complete OFF GRID operation. The exceptional storage system allows for up to 3 Days Autonomy / use without a single recharge. Neptun's solar lighting systems are ideal solutions for areas where electricity is unavailable or you need to eliminate many of the high costs associated with standard lighting installations.

APPLICATION

- Street & Area Lighting
- Billboard & Sign Lighting
- Flood Lighting
- Building Accent Lighting
- Park Lighting
- Security Lighting

STRUCTURE, MATERIALS, & FEATURES

- 80W High Output Neptun LED fixture of your choice.
- Battery enclosure with die-cast aluminum housing and mounting system.
- (2) 150Ah 12VDC GEL battery (24VDC) with 1,500 cycles estimated life.
- High efficiency driver & MPPT charge controller supplied with fixture.
- 250W Polycrystalline Solar Panel with slip-fitter mounting brackets.
- Corrosion resistant electrocoat finish (custom colors available).
- All enclosures and mounting systems feature stainless steel hardware.
- Square or Round pole mounting brackets included.
- 2 Year Warranty on complete system
- Compatible with any Neptun LED 24VDC lighting fixtures.

ORDERING INFORMATION

Sample Number: LED-XXX-24VDC-NE-SLR80-GEL-24VDC-RPM-GRY
Custom options and accessories available. Please consult factory

Fixture	System	Battery Mounting	Color
LED-XXX080-24VDC = Choose any 80W Fixture from Neptun's outdoor or indoor catalog or multiple fixtures totaling 80W	NE-SLR80-GEL-24VDC = Solar System for 80W LED fixture. * Includes 250W PPV Solar Panel, (2) 150Ah 12VDC (total 24VDC) GEL Batteries, all mounting hardware, and wiring	RPM = Round Pole Mount SQPM = Square Pole Mount FSM = Free Standing Ground Mount (for flood, billboard, or wall mounting applications)	GRY = Grey BRZ = Bronze ** Custom Colors Available



FIXTURE SPECIFICATIONS Choose Any Neptun LED Fixture

Type :	LED (See product sheet for full specification)
Wattage:	80W
Projected (L70) @ 25°C :	> 100,000 hrs.
Lumens per Watt :	> 100
Input Line Voltage :	24 vdc
Max Line Current :	3.49A

CHARGE CONTROLLER SPECIFICATIONS

Type :	Programmable Intelligent MPPT (Included in fixture)
Voltage:	12 vdc or 24 vdc
Output Current :	2400mA
Overvoltage Protection :	(24V) 32.0V
Efficiency of Constant Current :	90% ~ 96%
Operating Temp. :	-40°C ~ +70°C
IP Rating :	IP68

BATTERY SPECIFICATIONS

Battery Type:	Sealed GEL
Weight :	220 lbs. (includes enclosure and mounting arm)
Dimensions :	(Pole) 13.00"L x 10.00"W x 28.00"H (Gnd.) 25.00"L x 9.50"W x 13.50"H
EPA Rating :	2.43 ft. ²
Design Life :	5 Years (1,500 cycles)
Usage :	Solar / Wind System
Maintenance :	Maintenance Free
Nominal Capacity :	150Ah
Voltage :	2 @ 12 vdc = 24VDC
Discharge Cutoff :	Auto @ 20% Capacity
Charge Operating Temp. :	-20°C ~ +45°C
Storage Temp. :	-20°C ~ 55°C
Storage Humidity :	< 85%
Testing :	BCI / IEC Test Standards
Warranty :	2 Years

SOLAR PANEL SPECIFICATIONS

Type :	Polycrystalline - Low-iron solar glass front panel w/ anti-reflective surface
Cell Arrangement :	60 (6 x 10)
Wattage :	250w
Frame :	Silver Anodized Aluminum Alloy
Mounting :	Adjustable Slip Fitter
Weight :	65 lbs. (including mounting brackets)
Dimensions :	39.25"L x 2.00"W x 66.50"H
Operating Module Temp. :	-40°C ~ +85°C
Positive Power Tolerance :	0 ~ +5w
Nominal Power (WP) :	≥ 250w
Voltage @ Normal Power :	30.8V
Current @ Normal Power :	8.14A
Open-Circuit Voltage :	37.5V
Short-Circuit Current :	8.67A
Maximum System Voltage :	600 vdc
Maximum Reverse Current :	15A
Module Efficiency :	15.05%
EPA Rating :	16.8 ft. ²
Product Warranty :	10 Year
Performance Warranty :	25 Year @ 80% output

Area Lighting



Street Lighting



Facade Lighting



Flood Lighting



Security Lighting



Billboard Lighting



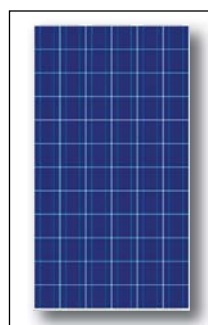
Pole Mount
(RPM/SPM)



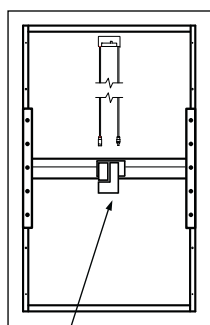
Ground Mount
(FSM)



PPV Solar Panel



Back View



Adjustable Slip Fitter