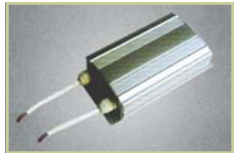


Solar Module



Electronic Ballast



Low Pressure Sodium (LPS) Lamp



Controller



Off-Grid Solar Powered Lighting Systems

Model: PVD2

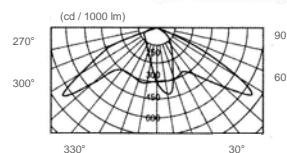
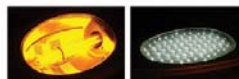
Specifications At-a-Glance:

- Solar cell type: Monocrystalline / Polycrystalline solar cells
- Solar modules power rate: 90W x 2
- Solar modules power output warranty: 25 years / 80%
- Battery type: High efficiency servicing-free deep cycle battery 12 V / 80Ah x 2
- Expected battery service life: 3 to 4 years
- System power: DC24V / 36W
- Lighting source: Low pressure sodium (LPS) lamp
Zero light pollution light source
- Control system: Intelligent controller, preventing overcharge and over discharge, having output short circuit protection and switching on or off the lighting source subject to ambient illumination
- Ambient temperature: -4°F to 140°F
- Light fixture rating: IP 65
- Lighting-on time: 8 to 10 hours a day normally, or subject to user customizations.
With fully charged batteries, capable of working for 3-4 consecutive days
- Recommended mounting height of light fixture: 15 ft to 20 ft



Light Fixture

LPS Light Source LED Light Source



Polar Diagram

Note: Actual data may vary according to installation variances



PVATUS Off-Grid Solar Powered LPS Lighting Systems Installed at the Hawaii Department of Education Honokaa Teacher Cottage on the Big Island

For further information, please email: info@pvatus.com

All product and service information are subject to change without notice.

© Copyright 2010 Crenatus Inc. All rights reserved.

CUS2010SLS-PVD2-0324