

SOLAR LED LIGHTING PRODUCTS

Solar LED Lighting Products



Tested by
MNRE



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MIC Electronics Limited

LED Street Lighting System – Solar (Model No.: MICSL-S01)



Light Source	: High Power White NICHIA LEDs
Light Output	: 10 lux (min), measured from a height of 12 feet and illuminated over an area of 8 feet diameter.
Power consumption	: 9 Watts
Solar Photovoltaic Module	: 37 Wp under STC, measured at 16.4V as Vload, Module Voc minimum of 21V
Battery	: Sealed maintenance free, Lead acid tubular plate, 12V- 40AH
Battery Back Up	: 40 Hours at 75% DoD
Electronics Efficiency	: > 80%
Protections	: Battery, SPV Module Reverse Polarity and output short circuit Protection
Mounting	: Pole

Applications: Ideal for Rural Street Lighting, Garden Lights, Path Lights and Perimeter Lighting

Also available - 12W/18W/25W versions

LED Home Lighting System – Solar (Model No.: MICHL-S01)



Light Source	: High Power White NICHIA LEDs
Light Output	: 10 lux (min), measured from a height of 8 feet and illuminated over an area of 6 feet diameter.
Power consumption	: 3Watt
Solar Photovoltaic Module	: 5Wp under STC, measured at 16.4V as Vload, Module Voc minimum of 21V
Battery	: Sealed maintenance free, 12V - 7AH
Battery Back Up	: 21 Hours at 75% DoD
Idle Current	: <0.5mAmp
Electronics Efficiency	: > 80%
Protections	: Battery, SPV Module Reverse Polarity and output short circuit Protection
Mounting	: Wall or Ceiling

Applications: Ideal for Rural Home Lighting, Porch Lighting

Solar Lantern



Light Source	: A Cluster of White NICHIA LEDs
Power Consumption	: < 2.5W
Efficiency	: > 80%
Battery	: 6V, 4AH
Battery Back Up	: 12 Hrs
Solar Photovoltaic Module	: Min 2.5W @ 8.8V

Applications: Indoor/Outdoor Portable Lighting



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