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SOLAR POWER : The energy source of the future

From our team

Dear Sir,

We find ourselves facing the twin concerns of an increasing demand for energy on one hand and rapidly depleting reserves of traditional energy to harness this sunlight to create a clean , safe, renewable energy source for heat and power. Solar power is now more affordable, more efficient and more reliable than ever , for both industrial and mainstream use.

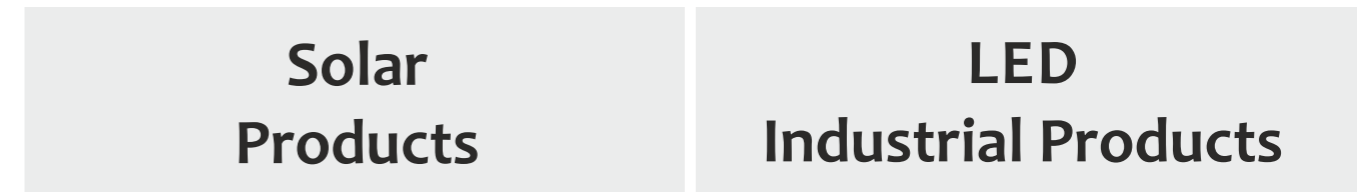
At P&H group ,our vision is to provide high quality and affordable solar & LED solutions, reducing our customer's dependence on non-renewable energy, while paving the way for a more sustainable future. We pride ourselves in offering an extensive range of products and services, ranging from solar street lights to solar water heater , industrial LED lighting solutions and many more. Our main focus is on maintaining the quality and customer satisfaction.

Our mission to be the leader in supplying SOLAR/LED solutions for domestic and international market, contribute to reduce dependence on never ending search for natural resources because saving energy also means generating energy. we strongly believe “ Leadership is leading from the front and we ensure that in every step we take.”

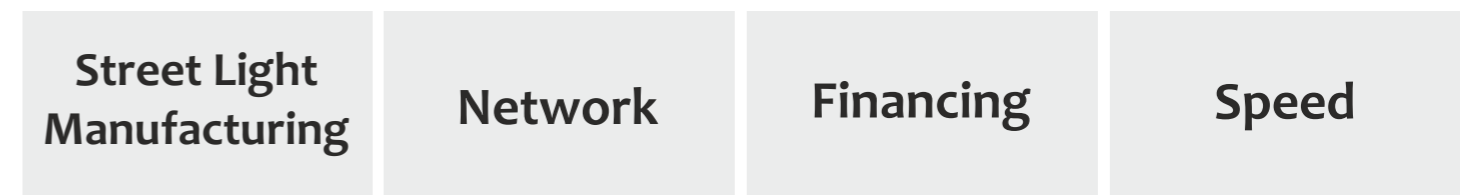
Warm regards,
Parth Soni

P & H Group Edge

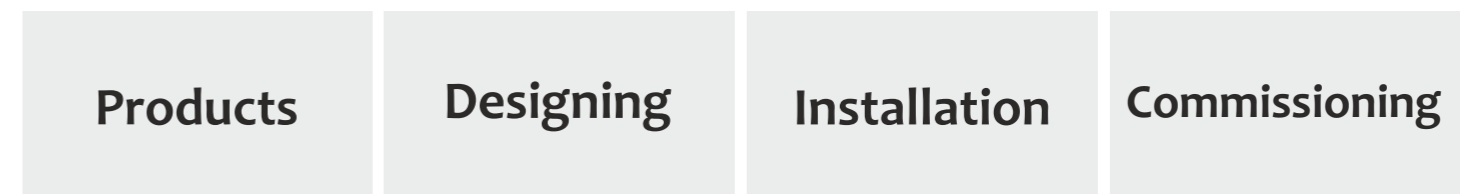
Key Focus Area



Key Strengths



Services



LED Fixtures Premium Models

Item	12	18	24	30	60	90	100	110	150
Equivalent HPSV	26W	40W	50W	70W	150W	200W	250W	250W	400W
Number of LEDs	9	7/14	9	12	24	36	42	48	48
Net Power	12W	18W	24W	30W	60W	90W	100W	110W	150W
Lumens per fixture	1125	1890/1750	2430	3240	6480	9720	11340	12960	16200
Recommended Pole	5m	5m	6m	7m	8m	9m	11m	11m	11m
Pole Distance	8-10m	10-12m	15-20m	15-20m	20-25m	25-30m	30-35mm	30-35mm	30-35mm
Dimensions	275x100x40mm	315x135x50mm	315x135x50mm	320x145x45mm	375x200x50mm	450x250x60mm	450x250x60mm	550x305x65mm	550x305x65mm
Weight	1.3 kg	1.7 kg	1.7 kg	1.9 kg	2.7 kg	4.3 kg	4.3 kg	7.1 kg	7.1 kg

Other Specifications

Parameters	Values	Features	Specifications
Input Range	90V-300V	LED	Edision/OSRAM
Operating Frequency	50Hz	Lens	LEDLINK or Equivalent
Power Factor	>0.90		
Efficiency	>85%	Colour	Cool White; Warm White
LED Working Voltage	3.15V		
LED Luminous Efficiency	> 125 lm/W	Colour Temperature	2700-8000 K
CRI	70-82	Optics	60/85x135° or equivalent
Max Current Consumption	650-720 mA		
Max Temperature of Heat Sink	65°C	LED Beam Angle	120°
		Storage Temperature	35°C
		Working Life	60000 Hrs
		Body type	High Pressure Aluminum DieCast
		IP Rating	Ip65
		Warranty	2 Years



LED Fixtures Economy Models

Item	15	20	30	60	90	100
Equivalent WaHs	26W	50W	70W	150W	250W	250W
Number of LEDs	12	16	24	48	72	84
Net Power	12W	20W	30W	60W	90W	100W
Lumens per fixture	1125	1920	2880	5760	8640	9800
Recommended Pole	5m	5m	7m	7m	8m	9m
Pole Distance	8-10m	12-15m	15-20m	20-25m	25-30m	25-30m
Dimensions	275x100x40mm	275x100x40mm	320x145x45mm	375x200x50mm	450x250x60mm	450x250x60mm
Weight	1.3 kg	1.3 kg	1.9 kg	2.7 kg	4.3 kg	4.3 kg

Other Specifications

Parameters	Values	Features	Specifications
Input Range	90V-300V	LED	OSRAM/Edision
Operating Frequency	50Hz	Lens	LEDLINK or Equivalent
Power Factor	>0.90		
Efficiency	>85%	Colour	Cool White; Warm White
LED Working Voltage	6.3V		
LED Luminous Efficiency	> 110 lm/W	Colour Temperature	2700-8000 K
CRI	70-82	Optics	60/85x135 or equivalent
Max Current Consumption	175mA		
Max Temperature of Heat Sink	65 C	LED Beam Angle	120
		Storage Temperature	35 C
		Working Life	50000 Hrs
		Body type	High Pressure Aluminum DieCast
		IP Rating	Ip65
		Warranty	18 Months



LED Industrial Light

LED Flood Light

Item	30	45	60	90	120	150
Equivalent Hpsv	90W	150W	250W	250W	400W	400W
Number of LEDs	84	84	168	2	96	128
Net Power	34W	45W	65W	100W	120W	150W
Lumens per fixture	3192	4788	6600	11500	13200	16500
Recommended Height	6m	7m	8m	12m	12m	12m
Weight	1.6 kg	1.6 kg	2.1 kg	3.3 kg	3.3 kg	3.3 kg



LED Highbay Light

Item	50	100	150
Equivalent Hpsv	150W	250W	400W
Net Power	75W	100W	150W
Lumens per fixture	7500	9000	15000



Solar Street Light

By choosing our solar LED street light, you are wisely opting for a better way of living. so go right ahead and enjoy the benefits of using affordable alternative energy while also helping the environment around you sustain itself.

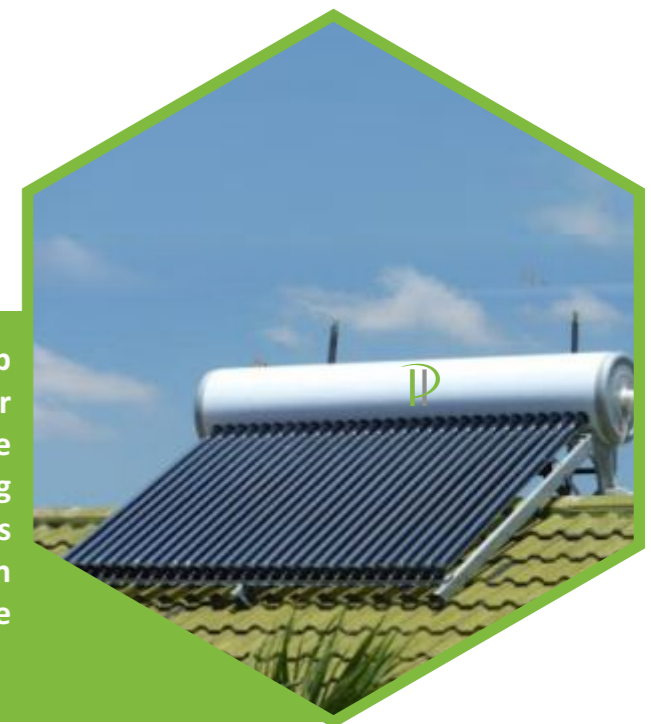
- Automatic dusk to dawn operation.
- One time easy installation with low maintenance, high reliability and durability.
- Completely autonomous system in case of black out.
- Uses LED for low power consumption, more intensity and longer life.
- Highly efficient charge controller and PV modules.
- Luminaries with Ip65 protection.
- Maintenance free battery.
- corrosion resistant powder coating on pole structure.
- surge lighting protected.
- Ideal for housing society, institutions, parks, pathways, security lights etc.

Item	9	12	18	24
Number of LED	9	12	18	24W
Net Power	12W	15W	21W	28W
Lumens per fixture	1080	1440	2160	2880
Configuration	40W,42Ah,15ft	50W,42Ah,15ft	70W,65Ah,15ft	120W,100Ah,18ft



Solar Water Heater

Heat water every morning without heating up the environment. save with the sun. Turning the geyser on helps in burning fossil fuel, increasing the concentration of green house gases, ultimately causing global warming. The use of solar power for heating cuts down the use of fossil fuels and plays a huge part in reducing global warming. so, play a part in saving the planet, switch to solar water system.



Solar Water Pump

Existence of human life in rural India depends largely on the availability of clean water to people, livestock and crops. Farmers in rural India can only become prosperous if there is availability of clean water for their farms, homes and livestock.

- ▶▶▶ Flood irrigation of small fields.
- ▶▶▶ Drip irrigation for farms.
- ▶▶▶ Cattle watering.
- ▶▶▶ Water supply for small villages ,schools, hospitals and homes.



HP	Pump Power		Solar Panel Total Watt	Flow Range m3/day	Head Range Mtrs	Discharge Size inch
	HP	kW				
1	1	0.75	1200	53-77	22-15	2
2	2	1.5	1800	74-122	28-19	2
3	3	2.2	2990	74-122	57-39	2
5	5	3.7	4830	74-122	103-70	2



Solar Roof Top System

Why Roof Top Solar...

- ▶▶▶ A rooftop solar provides one of the most apparent opportunities to save money through Clean GREEN energy consumption as a responsible approach to energy conservation.
- ▶▶▶ Solar roof top gives full/partial independence in power generation to the consumer.
- ▶▶▶ Utilize the most unutilized space (roof top) /generate power from most unutilize place in your building.

Features

- ▶▶▶ Customized as per requirement.
- ▶▶▶ sine wave output.
- ▶▶▶ Pollution free green power.
- ▶▶▶ 80% depreciation benefit for 1 st year.
- ▶▶▶ corrosion resistance powder coated body.
- ▶▶▶ Long life & maintenance free operation.

Benefits

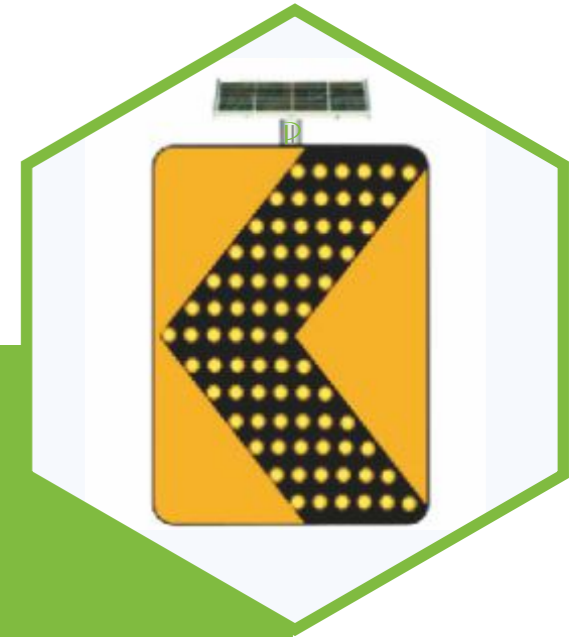
- ▶▶▶ Reliable power.
- ▶▶▶ Noisless operations.
- ▶▶▶ Minimum maintenance.
- ▶▶▶ Automatic operation.
- ▶▶▶ Robust design.
- ▶▶▶ Suitable for almost all application.

Solar Chevron

MODEL NO.	SCN1AR	SCN1AR DN	SCN3AR	SCN3AR DN
Nos. CLUSTER OF LED	78	78	117	117
DISPLAY COLOUR AVAILABLE	RED OR AMBER	RED OR AMBER	RED OR AMBER	RED OR AMBER
BATTERY CAPACITY	12V, 7.0 AH	12V, 8.0 AH	12V, 8.0 AH	12V, 12 AH
CHARGING TIME	4 Hours @Sun Light	4 Hours @Sun Light	4 Hours @Sun Light	4 Hours @Sun Light
SOLAR MODULE	Crystalline Silicon	Crystalline Silicon	Crystalline Silicon	Crystalline Silicon
CAPACITY	12V, 10WP	12V, 12WP	12V, 15WP	12V, 20WP
SIZE	600 x 400	600 x 400	750 x 450	750 x 450
WORKING HOURS	12 Hours @ Night Time	24 Hours @ Day Night Time	12 Hours @ Night Time	24 Hours @ Day Night Time
AUTONOMY	3 Days Monsoon Period	2 Days Monsoon Period	3 Days Monsoon Period	2 Days Monsoon Period
VISIBILITY	500 Meters	500 Meters	500 Meters	500 Meters
WEIGHT (APPROX.)	8.5 Kg.	13.5 Kg.	9.2 Kg.	14.2 Kg.

Solar Chevron

No Wire And No Power Supply Problem. It's Convenient To Install It Anywhere In Right Or Left Direction. Flashing Frequency: Approximately 60/per Minute, According To The Arrow Direction Glitters Clamp Suitable For 75mm Dia Pole



Feature :

- ▶▶▶ No Power Cost. Power Charge From The Sun Directly.
- ▶▶▶ Anti Theft Mounting Arrangement
- ▶▶▶ Autonomy : 3 Days
- ▶▶▶ Automatic Dusk To Dawn Operation Or Optional Switch On /off
- ▶▶▶ Housing Material : Foam PVC MS Powder Coated Frame
- ▶▶▶ Warning Distance : 500 mtr
- ▶▶▶ Integrated Design For Maximum Energy Efficiency
- ▶▶▶ Charging Time 4 Hours @ Sun Light
- ▶▶▶ High Efficiency PWM Base Charge Controller For System Protection
- ▶▶▶ Inbuilt In Long-life - Maintenance-free Battery
- ▶▶▶ Solar Module : Crystalline Silicon Solar Panel

Application :

- ▶▶▶ Diversion at road constructions, roundabouts Highway intersections
- ▶▶▶ Tunnel Entrance, approach to over / under bridges
- ▶▶▶ Curved Roads, Sharp Curves, Hair Pin Bends
- ▶▶▶ For turning corner guidance.
- ▶▶▶ Exit And Entry Direction

Road Safety Products

Solar Flasher / Blinker

MODEL NO	SFN325	SFDN325	SFN330	SFDN330
Nos. OF LED	127	127	169	169
LIGHT BRIGHTNESS	>250CD	>250CD	>3000CD	>3000CD
DISPLAY COLOUR	RED OR AMBER	RED OR AMBER	RED OR AMBER	RED OR AMBER
BATTERY CAPACITY	12V, 7.0 AH	12V, 8.0 AH	12V, 8.0 AH	12V, 7.0 AH X2
SOLAR MODULE	12V, 10 WP	12V, 15 WP	12V, 15 WP	12V, 20 WP
WORKING HOURS	12 HOURS @ NIGHT TIME	24 HOURS @ DAY NIGHT TIME	12 HOURS @ NIGHT TIME	24 HOURS @ DAY NIGHT TIME
AUTONOMY	2 DAYS MONSOON PERIOD	2 DAYS MONSOON PERIOD	2 DAYS MONSOON PERIOD	2 DAYS MONSOON PERIOD
VISIBILITY	500 METERS	500 METERS	600 METERS	600 METERS
WEIGHT	11.500 Kg.	11.500 Kg.	11.500 Kg.	13.720 Kg.



Application

Used for warning road users at Diversion, Road construction, Work zone, Sharp Curve warning, Crossings, School Crossing, Vehicle inspection station, Fire house entrance, Factory plant Pedestrian crossing(Crosswalk), Underground railway Crossing, Port, Sez Dangerous areas where wiring not easy.

Common Specification

Light Source	: Super Bright Led Cluster.
Life Of Led Lamp	: 50,000 Hours
Aspect Dia	: 300mm, or 200mm
Display Colors	: Yellow, Red, White.
Solar Module	: Multi Crystalline High Efficiency & Life Of Panel 15 Years
Light/dark Contrast	: 1:5
Enclosure Approx.Dimension	: L-360mm, B-485mm, H-460mm
Clamp Suitable	: For 75mm Dia Pole
Material	: Enclose In Metal Or FRP & Glass In Polycarbonate
Operational Voltage	: 12v Dc. Inbuilt Long Life Maintenance Free Battery,
Life Of Battery	: 3 Years.
Flashing Frequency	: 50±5 %/minute.
Working Mode	: Flashing All The Day / Flashing Only At Night.



Solar Gadgets

Products & Portable Kits
No electricity ! No problem !

You're now empowered by the Sun!

We have launched a large range of gadgets & portable kits with an integrated solar power charging system for you to power your every move.

Our solar products are easy to carry, lightweight and available in contemporary designs.

