

LED MODELS

Model No.	12W LED	15W LED	20W LED	24W LED	30W LED	40W LED	50W LED	60W LED
Light Output (W)	12W	15W	20W	24W	30W	40W	50W	60W
Colour Temperature (CCT)	5500-6500K							
Typical Luminous Flux 120 (Lm/W)	1440 Lm	1800 Lm	2400 Lm	2880 Lm	3600 Lm	4800 Lm	6000 Lm	7200 Lm
150 (Lm/W)	1800 Lm	2250 Lm	3000 Lm	3600 Lm	4500 Lm	6000 Lm	7500 Lm	9000 Lm
Typical Luminous Efficacy 120 (Lm/W)	>120 Lm/W							
150 (Lm/W)	>150 Lm/W							

SOLAR PV MODULE

Power of PV Module (Wp)	30 Wp	40 Wp	50 Wp	60 Wp	75 Wp	100 Wp	120 Wp	150 Wp
Panel Type	Mono Crystalline							
Panel Dimensions L (mm)	775 L	775 L	920 L	1060 L	1280 L	1680 L	1360 L	1750 L
W (mm)	340 W	340 W	340 W	340 W	340 W	340 W	560 W	560 W
H (mm)	60 H	60 H	60 H	60 H	60 H	60 H	60 H	60 H

BATTERY

Battery Capacity (Ah)	12 Ah	18 Ah	18 Ah	24 Ah	30 Ah	36 Ah	48 Ah	54 Ah
Battery Rated Voltage (V)	12.8 V							
Battery Type	Lithium Ferro Phosphate (LiFePO4)							
BMS Protection (Battery Management System)	Yes							
Battery Backup with Dimming (Autonomy)	2 Days (24 Hours)							

CHARGE CONTROLLER

Charge Controller Type	MPPT
Efficiency	>92%
Indications	Charging Indicator (Green Blinking), Low Battery Indicator (Red Blinking), Error Indicator (Both Blinking)
Protections	Over Charge Protection, Deep Discharge Protection, Battery Reverse Polarity Protection, Load Short Circuit Protection, Load Open Circuit Protection, Reverse Polarity Protection for Panel, Over Temperature Protection

MOTION SENSOR

Motion Sensor Range	12 Mtrs.
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MOUNTING RECOMMENDATIONS

Recommended Installation Height (Mtrs.)	5 Mtrs.	5 Mtrs.	5 Mtrs.	5 Mtrs.	6 Mtrs.	6 Mtrs.	6 to 8 Mtrs.	6 to 8 Mtrs.
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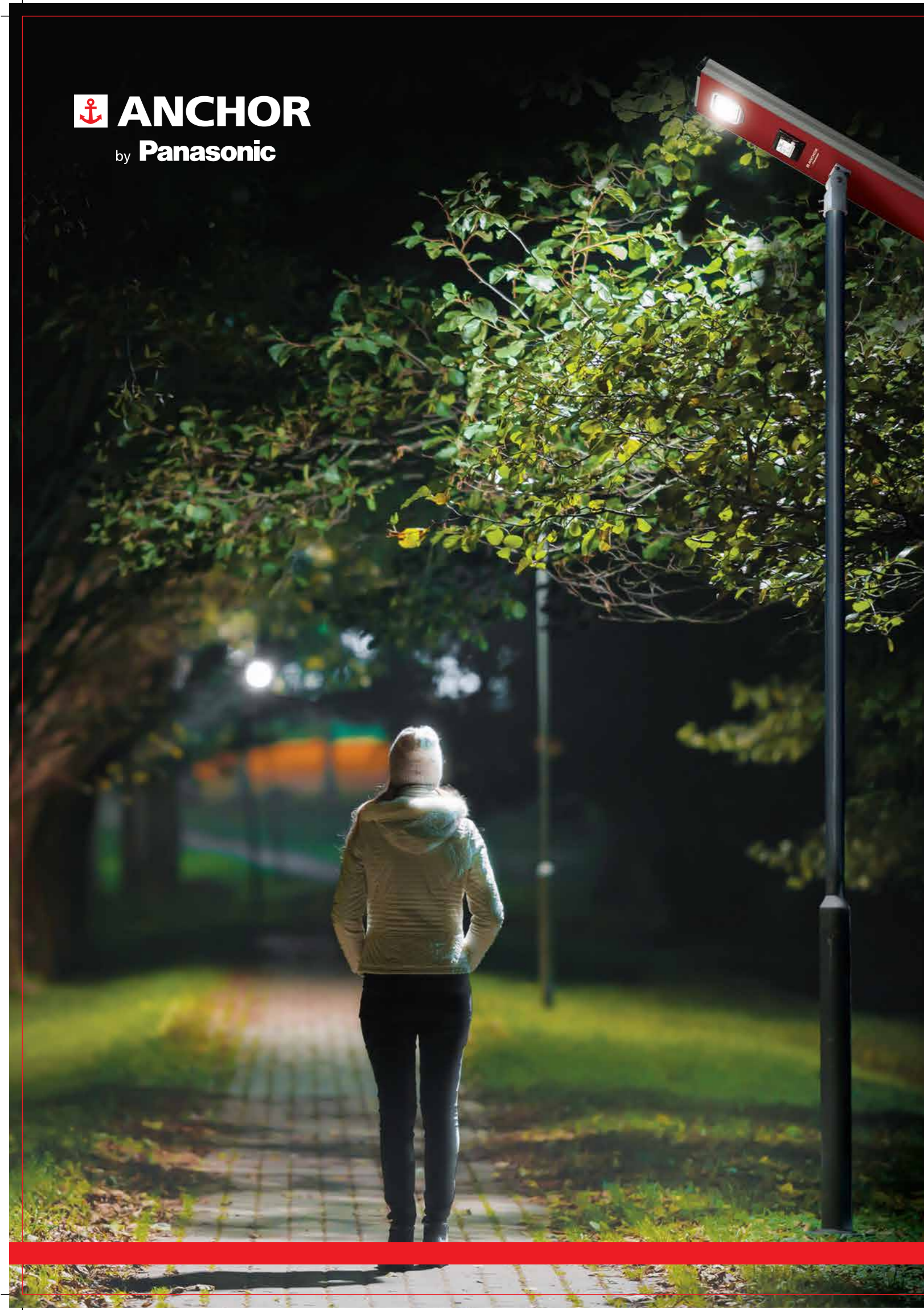


THE FUTURE IS BRIGHT WITH
All In One
SOLAR LED STREET LIGHTS

MADE IN INDIA



Monocrystalline Solar Panels | Motion Detection Sensor | 50,000 Hrs. of LED life | Lithium Ferro Phosphate Batteries | Ingress Protection



The transition to clean-tech energy solutions is not just a global phenomenon, but the need of the hour. The solar business unit of Anchor by Panasonic, understands that sustainability is a way of life.

With over 40 years of experience in the solar sector, Anchor believes that solar remains the driving force in building a cleaner ecosystem for everyone. This thought process makes them an ever evolving, solar manufacturing and services company.

We cater to a wide range of offerings such as solar modules manufacturing (Indian make and imported), end-to-end EPC solutions (C&I) & solar inverters all as per emerging market needs.

Introducing all in one solar street lights, a unique combination of monocrystalline solar panels, reliable batteries and high lumen LED that are energy saving. The perfect blend of design, technology and sustainability! Moreover, it's easy maintenance and high illumination makes it an ideal street light for all public places. Also, these are long lasting & one-stop-solutions for all kind of use requirements. (E.g. Rural areas, School and College campuses, Hospitals, Govt. offices, Park lights etc.)



ROOTED IN TECHNOLOGY
In-built with highly efficient monocrystalline solar panels

Equipped with Panasonic's Motion sensor for detection of motion and energy saving

Rechargeable Lithium Ferro Phosphate Batteries:
· Light-weight, efficient, Low
· Maintenance, Safe

LONG-LASTING
LEDs Luminaire
· with over 50000 hrs. of life
· 100% UV
· Scratch resistant lenses
· Sturdy Enclosure

IP65 rating for LED, Driver compartments as well as Battery

24hrs. (2 days) of autonomy in case of foggy / cloudy / rainy seasons

ASSURES CONVENIENCE
Easy Installation & Maintenance

Retrofitment possible on existing AC lights poles

Independent operation

ADVANCED FUNCTIONS
Charge Controllers : Highly efficient, natural cooling

Smart indications for battery charging, load operations, fault issues

Smart Motion Detection Sensor from Panasonic

AFTER SALES SERVICE
Pan India Service network of trained professionals

CHARGE CONTROLLERS

Highly efficient MPPT Algorithm equipped Charge Controllers

Battery Charging Efficiencies > 95%

Load Driving Efficiencies > 92%

Natural Cooling

Protections:

- Reverse Polarity of Solar Panel
- Reverse Polarity of Battery
- Over Load, Short Circuit
- Over Charging, Deep Discharging
- Over Temperature

Indications:

- Battery Charging
- Load Operation
- Fault Indications

SOLAR MODULES

Monocrystalline Solar Panels
Range of 30Wp to 150Wp

3.2mm Toughened Glass cover for durability

LED LUMINAIRE

Light Output - 120Lm/W & 150Lm/W

CCT - 5500K - 6500K

CRI > 70

Housed in Aluminium Extruded Enclosure

100% UV and Scratch resistant lenses

BATTERY

Rechargeable lithium ferro phosphate battery (LiFePO4)

Low Maintenance and extremely safe operation,

Lightweight with better charging and discharging efficiencies

More than 2000 Cycles

SENSORS

Motion Detection Sensor from Panasonic

Detection Range of upto 12mtrs @ 5-6mtr installation height

