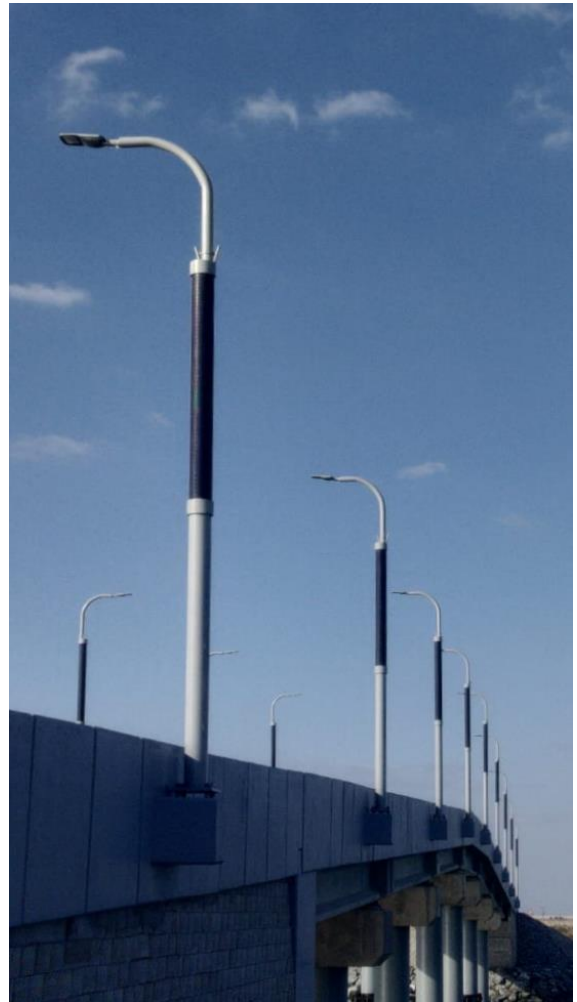
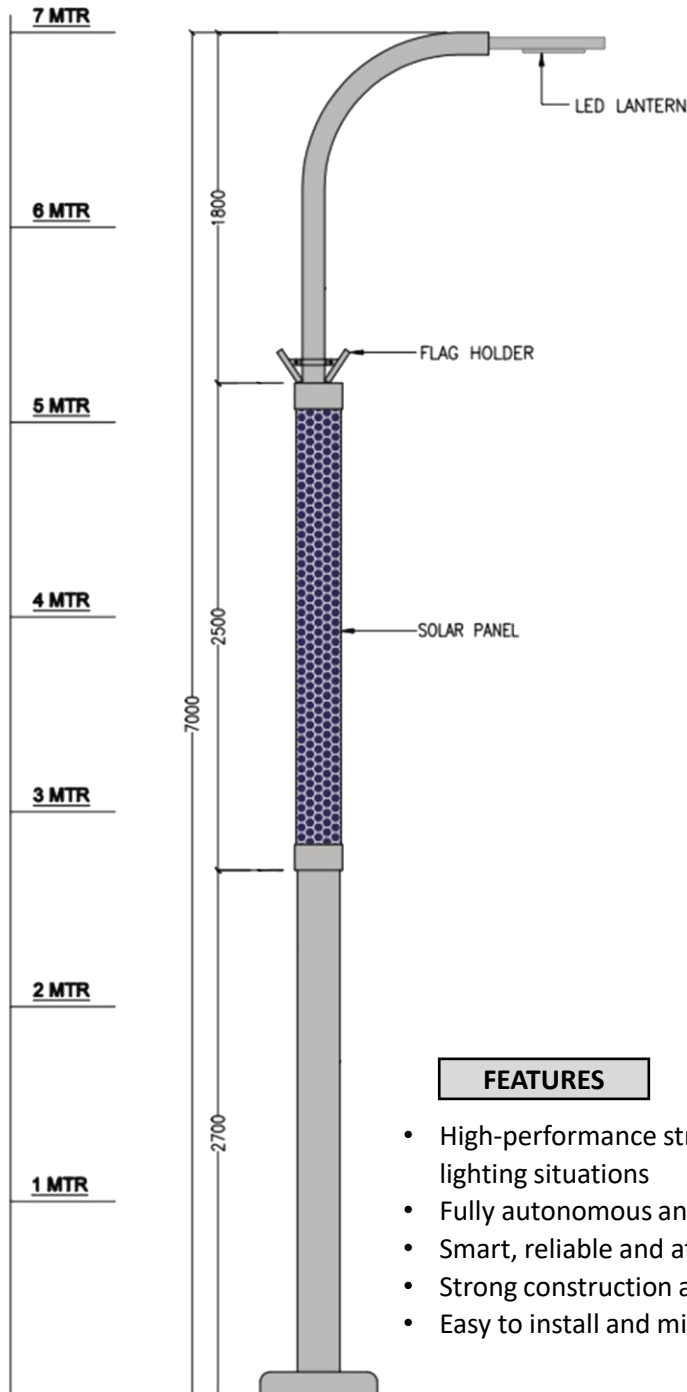


SOLAR LIGHT POLE

SP AIL 01



FEATURES

- High-performance street light for various lighting situations
- Fully autonomous and energy self-sufficient
- Smart, reliable and affordable
- Strong construction and closed design
- Easy to install and minimum maintenance

APPLICATION

- Roads and streets
- Industrial sites
- Intersections
- Pedestrian area
- Parking lots

OPTIONS

High-spec Street Lighting – a choice high-performance/military spec energy storage available for severe conditions, locations and applications

Smart Monitoring – remote configuration and lighting control from anywhere via a modern web application

SOLAR LIGHT POLE

SP AIL 01

General information	
Pole Height	5 – 8 mtr
Pole Diameter	219 mm
Beam Angle	As per ADM, RTA & SEWA specifications & Lux Study to suit application. Head Angle <5° to reduce light pollution
Number of Days of Autonomy	>3 days (luminous efficacy automatically reduced)
LED Lighting	
Power	40~80 watts (Location Dependent)
Lumen Output	>11,200 Lumen at rated output
Lumen Efficiency	125-175 lm/W
Colour Temperature (CCT)	3000K / 4000K (standard) / 5000K / 6000K
Colour	Can be customized
Lifetime	100,000 hrs
Dimming	Dimmable (As per ADM, RTA & SEWA specifications)
ON/OFF control	Programmable, default PV panel Sensing
Light Profile	Programmable
Motion Sensor	Optional
Warranty	10 years
Solar Module	
Type	Vertical wrapping around the pole
Technology	CIGS Flexible modules, high power density
Application	For high wind load and high seismic hazard areas
Warranty	10 years workmanship, 10/15 years against power loss
Pole	
Material	Hot dip galvanized steel
Coating	To suit client requirements
Wind load	as per ADM, RTA & SEWA specifications
Warranty	25 years for the structure
Battery	
Type	Supercapacitor type made from graphene non-chemical alternative
Operating temperature	-20 to +70 deg C
Warranty	10 years
BMS	Included
Position	Inside pole
Options	
Camera	Wi-Fi / 4G camera
Communication	Remote communication 4G/GPRS or ZigBee / Lora Wan
Protection and Security	
IP 66 Protection; IK09	
Reverse polarity protection	
Low battery voltage cut-off	
Security pole door / vandal protection	