



○ Smart Lighting
iSMA

General Information

Smart Lighting System:

“ Smart solutions for off-grid outdoor lighting.”

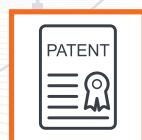
- Smart lighting applications with using different sensors via IoT-compatible electronic board design
- High efficiency LED lighting with different lens and angle options
- Different color options with desired RAL code
- Automatic dimming function
- Zero Carbon Emission

General Features

- Standard configuration has minimum 2 days of autonomy. The duration can be customized tailored to customer needs.
- Control unit of the system is designed as “all-in-one.” LED driver, battery charger and solar panel driver are integrated in one electronic unit.
- Turn on and off hours are adjusted to daylight. If demanded, system can be modified via Bluetooth after installation.
- User can pre-determine 10 different dimming scenarios. Upon customer request and field conditions, annual dimming scenarios can be created on a daily and monthly basis.
- Automatic dimming function is utilized to increase lighting period in the event of insufficient daylight.
- User can connect to system via Bluetooth through mobile application and turn on/off the system and/or change dimming algorithm.
- Manufactured in compliance with CE standards.
- Via IoT-compatible electronic board design, smart lighting applications can be integrated in the system by using different sensors.

Technical Features

- Led driver, mppt solar driver, communication unit and battery charger integrated in one electronic unit (all-in-one).
- on/off, dimming and error reporting functions via android mobile application.
- Lithium batteries with high dod ratio. (2000 deep cycles at 100% depth of discharge).
- Operating under high and low temperature conditions -40 °C / +60°C (optional).
- The system keeps track of status and error log for 24 hours. data logging system stores error and status information retrospectively for 2 years.
- Electronic control unit and luminaire unit have ip65 protection class.
- Luminaires have aluminum case and tempered glass.
- Lighting pole is galvanized and oven-dried. corrosion-resistant special bolts and nuts are used .



iSMA

40W-80W

iSMA Battery Backup Emergency Lighting System, on-grid lighting model, operates additionally in the event of a power failure.

System provides 3-12 hours of illumination during blackout.

Luminaire options between 10W-100W and pole height ranging from 2,5m-6m are available.

The system provides standard illumination via utilizing the electricity from the grid. In the event of blackout, Isma continues to provide illumination uninterruptedly by using the power stored in its battery backup system. When the power cut-off is over, system automatically starts re-using the grid power without requiring any user intervention.

iSMA Battery Backup Emergency Lighting System can supply different durations of illumination by changing its battery power, tailored to customer requirements.



iSMA

Model	iSMA 400	iSMA 600	iSMA 800
Luminaire	ROAD/ZONE 60° -120°	ROAD/ZONE 60° -120°	ROAD/ZONE 60° -120°
Lumen	6000 lm	7500 lm	9000 lm
Color Temperature	3000 - 6000 K	3000 - 6000 K	3000 - 6000 K
Protection Class	IP65	IP65	IP65
Battery	Lithium	Lithium	Lithium
Autonomy	2-15 hours	2-15 hours	2-15 hours
Working Temperature	-20°C / +60°C	-20°C +60°C	-20°C / +60°C
Pole Height	4 m	6 m	8 m
Weight	53,00 kg	85 kg	101 kg

IP65

ISO
9001:2015


TSE


CE

Made in
Turkey

RoHS
compliant



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