Solar-powered Aviation Obstruction Lights

A solar powered aviation obstruction light system consisting of a solar module, battery, control board and lighting is usually installed on a pylon. As an eco-friendly product using solar power, it is getting attention not only in transmission towers but also in general installation sites.

Features :

- Passed KEPCO (Korea Electric Power Corporation) accredited test
  - ICAO optical characteristics test
  - High (+55℃) and low (-55℃) temperature test
  - Solar radiation test (1,120hr)
  - Battery performance test (Work longer than 3 days without charging)
  - EMS test (KS C IEC 61547)
  - Surge Withstand Capability Tests (IEEE C37.90.1)
- LED with high efficiency & long life span
- Reflector optical system applied for anti-glare and durability
- Corrosion-Resistant & Water-Resistant
- High brightness & high efficiency
- Environment friendly
- Easy installation & maintenance

※ solar-powered aviation obstruction lights can be configured according to customer requirements and installed according to relevant laws and regulations.

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Components

Solar Module	Battery	Control Board	Control Board Container	Power Input
100W and more	100AH	Constant current function charge, conversion, lights control circuit	Stainless steel	DC 12V

Installation & Types

Installation Area	Pylon Height (m)	Types	Remarks
Out of obstacle restricted area	60≤ ~ 105>	General A	General type transmission tower
	105≤ ~ 150>	Combine B	Tubular support
		Combine C	General type transmission tower
Within obstacle restricted area	45≤	General A	General type transmission tower / Tubular support
	45≤ ~ 150>	Combine A~C	Tubular support is applied with combine B

Composition by Type

	General A	Combine A	Combine B	Combine C
Control box	1	1	1	1
Solar modules	1	2	2	4
Battery	1	2	2	5
Low intensity lights	1	2	3	4
Medium intensity lights		1	1	3