

## Dragon Solar 805 Lighting System (vandal resistant)



DBS805 Vandal Resistant Solar Lighting System, is designed for carparks, walkways illumination to suit rural UK locations, offering maintenance-free solar-powered lighting solutions.

**Product Overview** The DBS805 lighting system provides generated illumination using high performance solar panels, which store power into lithium LiFePo4 batteries, suitable for open areas, where lighting is needed from dusk until dawn.

**Design and Features** The system features a low voltage LED with high color rendering temperature of 4000K, with 120° beam spread. The large solar panel, is mounted onto post in vertical position, oriented to maximize all available sunlight. All equipment is IP65 protected, weighs 6kg, and includes, automatic charge regulation, c/w 60-month warranty.

**Operational Functionality** Each unit can be commissioned by us before leaving our facility. This will enable automatic switching on at sunrise to charge and off at sunset ready to illuminate when required. This system is fully automated, requiring only annual cleaning of the solar panel, and operates reliably year-round.

**Applications** This is a full-size system, suitable for all uses in diverse locations such as carparks, pathways, and locations without mains power facilities.

Dragons Breath®

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[DBS805 Solar Lighting System](#)

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# DBS805 light technical values

LED light T12	10-15w
Luminous flux capacity	1450-2175lm
Minimum CRI	79
Optic	Asymmetric for street lighting 100% when triggered Short circuit, Overvoltage, Overcurrent, overheat protected
Warranty	5 Years
Solar panel power voltage	18V
Battery	12.8v LiFePo4 Lithium
Size	400wh @ 4,000 cycles
Temperature range	-25°C +65°C
Controller	MPPT tracked @ 98% efficiency
Weatherproof	IP68
LED source	SMD3030 72 Pcs
Flux	(T65°C)
Color temperature	3500-5000k
Beam angle	Type II or Type III
Depreciation factor	L70 > 100,000h
Life	90% > 20 years
Efficiency	145lm
Body material	Aluminum
Lens material	PMMA (UV protected)
Impact	IK10
Weight	18kg



High Efficiency Solar Cell



Quality LiFePO4 Battery



MPPT Charge Controller



High Brightness LED



Solar Cables & MC4



Microwave Sensor

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