



Solar outdoor Security Light



# Solar Security Light



60W Light at full Capacity



80W Light at full Capacity



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# Outdoor - Solar Security Light

## BENEFITS

**All-in-one solution:** solar panel, controller, battery, LED, day/night, motion sensor, remote control

**No external cables** nor electricity required, it is save (low DC voltage), long product life, fast installation.

Provides **constant light, when dark**, to outside areas for e.g. businesses, homes, schools, churches, etc.

PRODUCT PARAMETERS	60W	80W
Solar Panel	6V15W Polycrystalline silicon	6V15W Polycrystalline silicon
Battery	3.2V/20AH LiFePO4 battery	3.2V/25AH LiFePO4 battery
Lumens	800 LM	1000 LM
Remote Control	Light: ON - OFF - MOTION	Light: ON - OFF - MOTION
CCT / CRI	6500~7500K / Ra ≥ 75	6500~7500K / Ra ≥ 75
Working time	10 – 12 Hs	10 – 12 Hs
Charge time (full sunlight)	5 – 7 Hs	6 – 8 Hs
Working temperature	-20°C - 60°C	-20°C - 60°C
Life span	≥50000h	50000h

### Comparison of Solar Lights (Pty) Ltd Product over other Products

	SOLAR LIGHTS PTY LTD	OTHER PRODUCTS
<b>Battery</b>		
Battery manufacturer	BYD battery brand	unknown
Battery type	Lithium-Iron Phosphate (LiFePO4)	Lithium-Ion (LiCoO2, LiMn2O4)
Battery, toxic to nature	No	Yes
Battery, energy density	90 - 120 Wh/kg	150 - 200 Wh/kg
Battery, charging cycles	1 000 - 2 000	500 - 1 000
Battery, discharge rate	Stable	unstable, increases with time
Battery life (expected)	5 years	2,5 years
Battery safety (thermal, chemical)	Stable	unstable at direct sunlight
<b>Light</b>		
Light, wattage options	80W / 60W	40W
Light casing material	Metal	Plastic
Light, high temperature resilience	Good	Moderate
Light output control via remote	Yes, 6 modes, incl. AAA batteries	No
Light mounting connector	Yes, metal	No
Light, Trade-In options	Yes	No
Light, after sales service	Yes	Unknown