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Specification: 50W Solar LED Street Light (Solar, Battery and Lamp - all in the one unit)

Photovoltaics

S/N	Component	Specifications
1	Module	Monocrystalline silicium cells
2	Open circuit voltage Voc	22.5V
3	Max. voltage UMPP	18V
4	Short circuit current Isc	4.85A
5	Max. current Imp	4.45A
6	Max. power Pmax	65W
7	Tolerance PMPP	0 to +3%
8	Dimensions module	1050x345mm
9	Level of effectiveness of solar cells (moulded)	>17.8%

Battery

1	Capacity	Lithium Battery(LiFeP04) 42Ah/12.8v: 537Wh
2	Voltage	12V
3	Battery life	approx.3-5year
4	Operating temperature -	-20°C- 70°C
5	Miscellaneous	Battery also charges on cloudy days

Illuminant

1	LED max. output	50W
2	LED max. light flux	5000-5500lm
3	Colour temperature	5.600k to 6.500k
4	Autonomous time with full battery max.	24hours
5	LED life	>50,000h
6	State-of-the-art LED	BRIDGELUX 3030 LED144PCS- Insect-neutral light

Installation Poles + Others

1	Installation Pole	Aluminum/Stainless steel - 6 meters high
2	Charging Time	6-8 hours
3	Discharging Time	15 -20hours (operated by motion sensor), Backup - 2 days
4	Working Temperature	-20°C- 70°C
5	Mounting Height	6 meters
6	Space between light	15-22m (suggested)
7	Housing material	Aluminum alloy
8	Warranty	1 year -100%
9	After Sale Services	Included