

## Specification Data (technique sheet )

### 4. Technique specs

PV Module	Pmax	50W
	Vmp	18.2
	Voc	21.7
	Cell efficiency	20.6%
	Number of cell in series	35
	Dimension	985*420mm
LED chip	LED chip	LG/Cree/Nichia
	Viewing Angle	Viewing Angle , 70°*150°IESNA TAPE II
	Color Temperature	3000K~3500K ( warm white ) /6000K-6500K(cool white)
	Color rendering index	>=70
	Nominal luminous flux	Tj=25°C:3000lm
	Delivered Lumens	Tj=66°C:2700lm
	Lifespan	50000hours
Lifepo4 battery	Battery capacity	230.4WH
	5-8 years	5-8 years
	CB, SGS, MSDS	CB, SGS, MSDS
	Operating temperature	Charging 0-45°C Discharging -20-60°C
Mppt controller	Working voltage/ current	12.8v 10A
	Work mode	Timing mode
		Light control(capable of detecting day and night , automatically turning on and off during night and day )
		PIR sensor mode (optional)
	Protection	Incorporate protection from reverse polarity(solar panel or battery ) , over-charge , over-discharge , over load , short circuit and lightning