

SZG556 solar led floodlight



Applications:

- garden and courtyard
- public park
- commercial plaza
- recreation square
- tourist attractions & resort center
- villas and high-end residential
- outdoor small sports

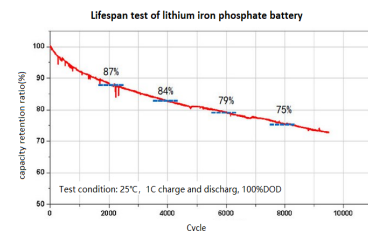
Description of performances:

❖ Super brightness Sanan led chip

- led chip luminous efficiency: 170 lm/W
- light efficiency of luminaire: 130 lm/W
- average service life: $\geq 100,000$ hours
- color rendering index: ≥ 75 Ra
- no blue light hazard

❖ Power lithium iron phosphate battery

- used for electric car, electric bike, solar light, energy storage
- cycle life: ≥ 3000 cycles for more than 8 years' use
- cell capacity: 6000mAh
- Less than $3m\Omega$ internal resistance can reduce internal energy loss and offer high current discharge.
- High temperature discharge efficiency is over 95%.
- Low temperature discharge efficiency is about 70%.
- free of cobalt and other heavy metals
- no fire, no explosion, absolutely safe and reliable



❖ High efficiency solar panel from Taiwan

- poly solar wafers imported from Taiwan
- solar conversion efficiency: $\geq 20\%$
- wafer specification: 156*156 mm
- lifespan: ≥ 20 years



❖ Intelligent solar controller

- indicator for electricity of battery/running status//charging battery
- IPT technology to ensure 365 days' lighting every day
- control mode: light control, time control
- remote controller: optional

Technical parameters:

Parameter items	50W
Luminous efficiency for led (lm/W)	170 lm/W
luminous flux of luminaire (lm)	3000±5% lm
Beam angle	90°
Correlated color temperature (K)	3000-6500K
Color rendering index (Ra)	75Ra
LED lifespan (h)	100000 hrs
Type of battery	lithium iron phosphate battery
Capacity of battery	115Wh
Lifespan of battery	≥3000 cycle
Charging time (h)	6-7 hrs
Continuous rainy days	7-10 days
Power of poly solar panel	35Wp
Tilt angle of solar panel	-90°~+90°
Shell material	ADC12 die-cast aluminum
Discharging temperature	-20~+60℃
Charging temperature	-5~+55℃
IP protection	IP65
Dimensions (lamp)	375*310*55 mm
Weight (lamp)	3.5 Kg
Recommended mounting height	3-4 m

