


Green Environmental Protection Pollution-free Lighting Equipment

ZERO 
pollution

ZERO 
noise

ZERO 
fuel consumption

ZERO 
maintenance



SOLAR LIGHTING TOWER

The Grandwatt innovative SX9 series solar light tower is efficient and delivers high performance, giving workers good visibility while allowing sites to increase sustainability with zero CO₂ emissions and zero noise, zero operating costs (diesel fuel, maintenance, labor), it is 100% renewable energy, stronger structure can load more power solar panels and batteries, patented rotating mechanism can adjust angle of solar panel to best align with the sun's location to achieve maximum solar yield.

Equip with latest photovoltaic and Energy storage controller system, very intelligent, it can monitored by phone APP to set auto timer switches auto turn on-off the lights .



operation:
solar panel SX455W
batteries 8X250Ah/12V 1000AH



16,000 sqm
area illuminated

FEATURES



4*150W LED
96,000
Lumens



Manual
rotation mast
225°
with self-lock



Manually 7.5°---32°
sunshine angle tilt
with heavy duty jack



±45°adjustable
rotation of solar
system sunshine
direction

- Multi-directionally adjustable and dimmable LED 96,000 Lumen
- 5 sections manual vertical tower 8,3 m, 225°rotation mast with self-lock
- 2,275 W- 5*455 W Mono Solar panel system
- Manual sliding system with guide rail for retractable solar panel
- 90° adjustable rotation for Solar system sunshine direction
- Solar panel backwards movement 490mm for sunshine direction adjustment
- Manually 7.5°- 32° adjustable jack for solar panel sunshine angle tilt
- Certified wind stability up to 20m/s
- "A" style frame with a directional wheel tow bar
- No. 8 batteries GEL Battery Pack 24Vdc 1000Ah
- MPPT controller for Tracking and Telematicse remote management



	Standard Model	SX9-R600/2275	SX9-P600/2275
Dimensions	Trailer Length	4,140 mm (13' 7")	
	Length for loading	2,375 mm (7' 9½")	
	Width	2,170 mm (7' 1½")	
	Max. length × Max. width	4,850 mm (15'11") × 4,570 mm (15')	
	Height/Hight for loading	2,840 mm (9'4")/ 2,530 mm (8'3½")	
	Height fully extended	8.3m (27'3")	
	Gross weight	2.220 kg (4.894 lb)	
Solar panel & battery system	System voltage	24 VDC	
	Solar panel system	2,275 W- 5*455 W Mono	
	Retractable panel system	Manual sliding system with guide rail	
	Solar system backwards movement	490mm for sunshine direction adjustment	
	Solar system sunshine direction	90°(± 45°) adjustable	
	Solar system sunshine tilt	Manually 7.5°- 32° adjustable with a jack	
	Battery	1,000 Ah (8*250 Ah) Gel battery	450Ah(3*150Ah) Lithium battery
Controller (Day time)	1*100 A MPPT controller		
Mast & Luminaire	Luminaire	600 W-4*150 W LED (DC 24V with dimming)	
	Luminous flux	96,000 Lumen	
	Auto LED turn on-off	Controlled by timer of MPPT controller	
	Manual LED turn on-off	Circuit breaker	
	Mast style	5 sections; 2,500 lb manual winch	
	Mast rotation	Manual 225° with self-lock	
	Light tilt	Manual	
Trailer	Suspension & brake	Single leaf-spring axle without brake	
	Tow bar	"A" style frame with a directional wheel	
	Forklift slots	2 sides + rear	
	Stabilizing leg	4 retractable jacks	
	Wheel	16" rim with regular tire	
	Tow Coupler	Switchable 2" ball coupler with 2½" pintle ring	
	Taillights	Night, turning & stopping taillights	
	Max towing speed	100 km/h (62 mph)	
General Data	Max. lighting hours with batteries fully charged	16 hours (Theoretical data for reference only)	
	Max. wind resistance (All solar panels retracted)	20 m/s (45 mph)	
	Max. quantity for loading in 40' high cube	5	
Optional parts or accessories	External DC power input	DC 24V receptacle	
	Battery Charger with cable & plug	1 pcs	

R-Regular configuration—Gel batteries; P-Premium configuration—Iron-lithium batteries



*Lighting Where You Need
Power When You Need*

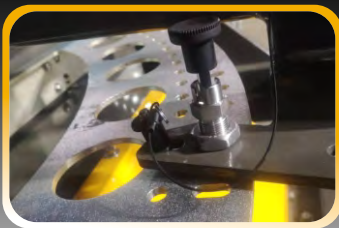
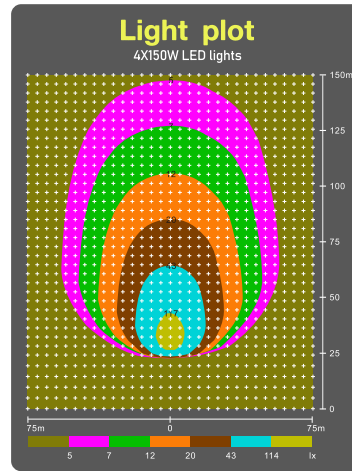


Solar panel operation system

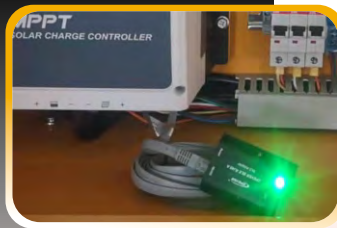
Manual

Rotation 90° ($\pm 45^\circ$)

Sunshine tilt angle 7.5°-32°



Solar panel sliding and rotation system



Phone APP Bluetooth connectivity



Manually jack tilt sun angle 7.5° - 32° adjustable



**GRANDWATT
ELECTRIC
CORP.**

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