

Green Environmental Protection Pollution-free Lighting Equipment

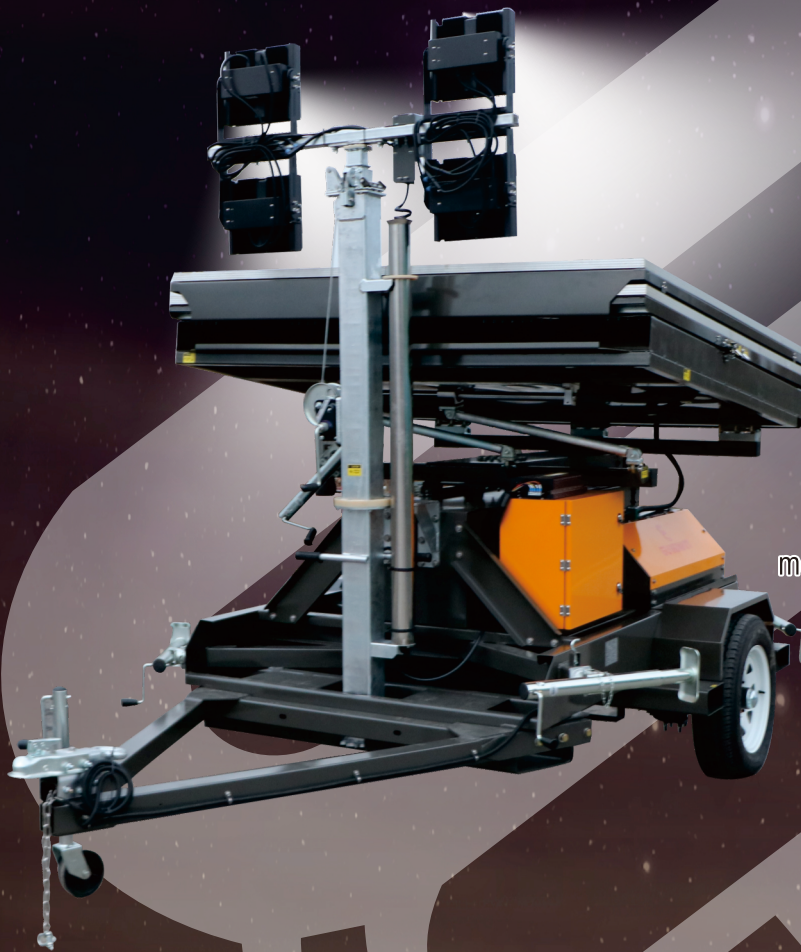
ZERO
pollution

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

16,000sqm
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

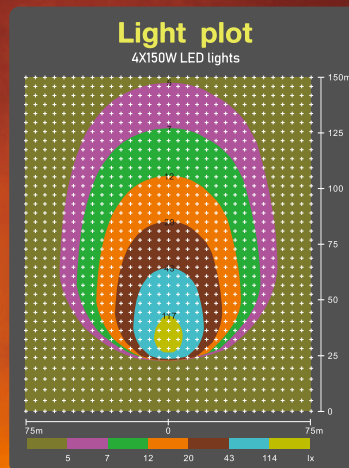


Solar panel operation system

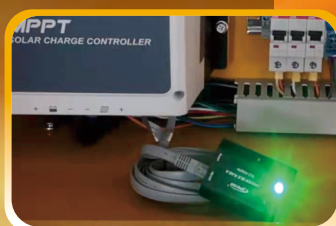
Manual

Rotation $90^\circ (\pm 45^\circ)$

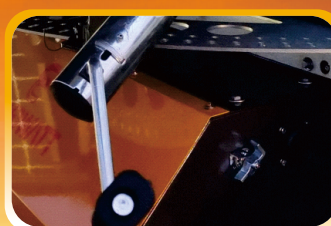
Sunshine tilt angle $7.5^\circ - 32^\circ$



Solar panel sliding and rotation system



Phone APP Bluetooth connectivity



Manually jack tilt sun angle $7.5^\circ - 32^\circ$ adjustable



*Lighting Where You Need
Power When You Need*

	Standard Model	SX9-R600/2275	SX9-P600/2275	SX9-R750/2275	SX9-P750/2275
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	8*250 Ah Gel battery	3*150Ah Lithium battery	8*250 Ah Gel battery	3*150Ah Lithium battery
Controller (Day time)	1*100 A MPPT controller				
Mast & Luminaire	Luminaire(DC 24V with dimming)	600 W-4*150 W LED		750 W-5*150 W LED	
	Luminous flux	90,000 Lumen		112,500 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)		12 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					



GRANDWATT ELECTRIC CORP.

Address: 105 Professional Parkway, Suite 1502 Yorktown, VA 23693, USA
www.grandwatt.com