

SOLAR LIGHT TOWER

ZERO
emission



ZERO
noise



ZERO
fuel consumption



ZERO
maintenance



*Lighting Where You Need
Power When You Need*

▶ Product introduction

The Grandwatt innovative SX9-400 series solar light tower is the economical model of SX9 solar series which have very high cost performance, it allow site lighting to increase sustainability with zero CO₂ emissions and zero noise, zero operating costs (diesel fuel, maintenance, labor), it is 100% renewable energy, smaller and exquisite stronger structure can load more power solar panels and batteries, patented lifting mechanism can adjust tilt angle of solar panel to align with the best sunlight direct angle to achieve maximum solar yield.

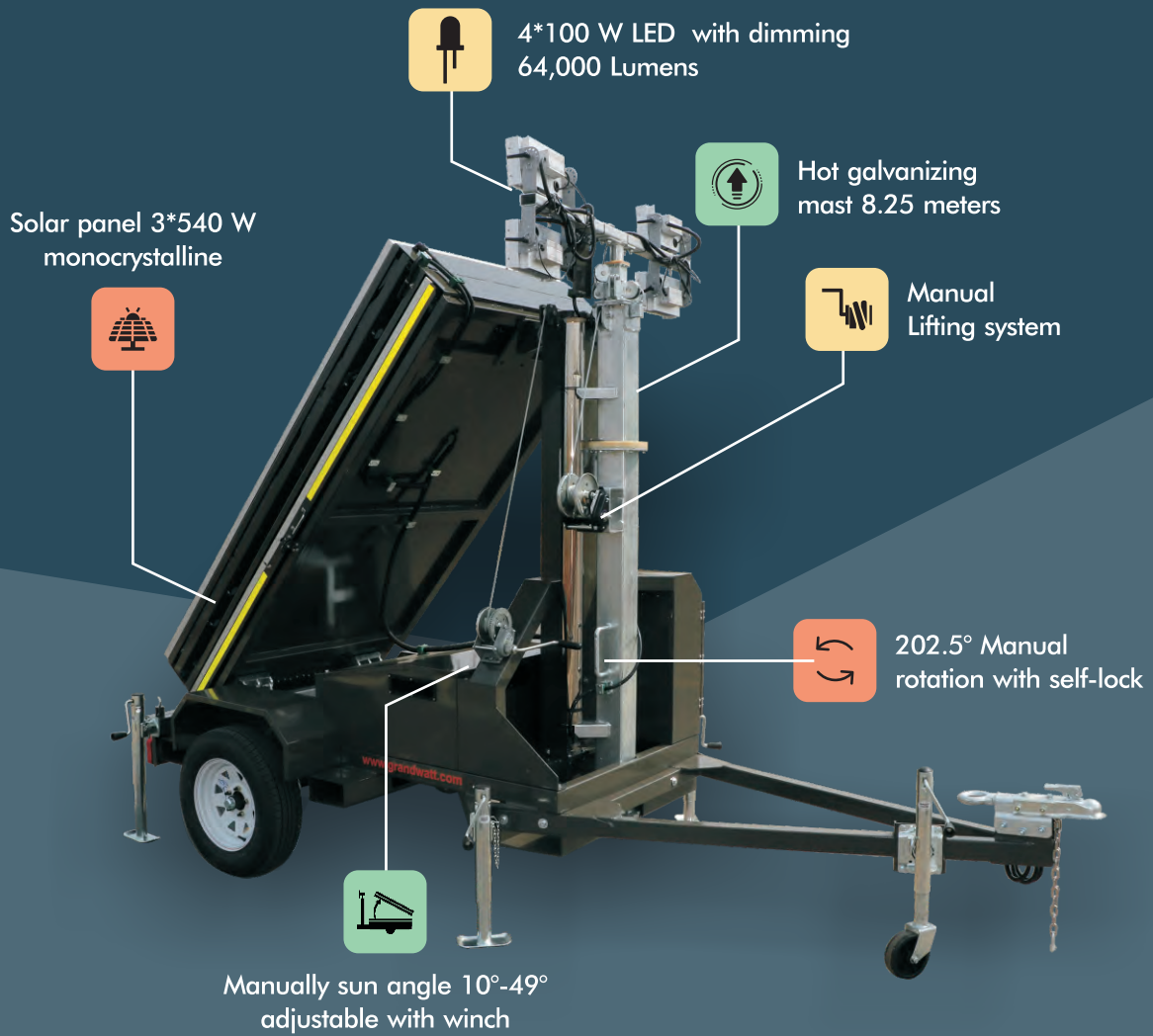
Equip with latest photovoltaic and energy storage controller system, very intelligent, it can be monitored by cell phone APP to set auto timer switches auto turn on-off the lights.



Solar panel 3 X 540W
Batteries
6X 200Ah/12V 600AH

11,500sqm
area illuminated

HIGHLIGHT FEATURES



- 01** ✓

5 sections 8,3 m manual 202.5° rotation mast
- +
- 02** ✓

1620 W- 3X540 W monocrystalline solar panel
- +
- 03** ✓

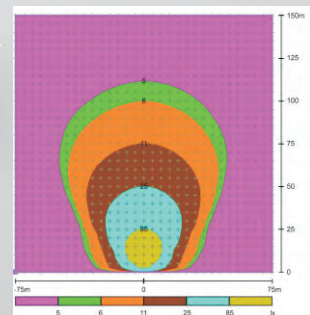
Manual 10°-49° adjustable jack for sunshine angle tilt
- +
- 04** ✓

80A MPPT controller with wireless remote monitoring



APPLICATIONS

-  SPECIAL EVENTS
-  RURAL & HARD TO REACH AREAS
-  EMERGENCY RESPONSE
-  CONSTRUCTION & WORK SITES
-  GAS, OIL & MINING OPERATIONS
-  MILITARY APPLICATIONS



4X100W LED
LIGHTS PLOT

SOLAR LIGHT TOWER



Standard Model		SX9-R400/ 1620-4	SX9-P400/ 1620-4	SX9-R400/ 1620-6	SX9-P400/ 1620-6
Dimensions	Trailer Length	3,910 mm (12' 10")			
	Length for loading	2,240 mm (7' 4")			
	Width	1,650 mm (5' 5")			
	Max. length × Max. width	3,580 mm (15'11") × 4,395 mm (14'5")			
	Height/Hight for loading	2,740 mm (9')/ 2,515 mm (8'3")			
	Height fully extended	8.25m (27'1")			
	Gross weight	1,370 kg (3,020 lb)		1,420 kg (3,130 lb)	
Solar panel & battery system	System voltage	24 VDC			
	Solar panel system	1620 W- 3*540 W Mono			
	Retractable panel system	Manual sliding system with guide rail			
	Solar system sunshine tilt	Manually 10°-49°adjustable with 2500lb winch			
	Battery	400 Ah (4*200 Ah) Gel battery	200Ah (1*200Ah) Lithium battery	600 Ah (6*200 Ah) Gel battery	300Ah (2*150Ah) Lithium battery
	Controller (Day time)	1*80 A MPPT controller			
Mast & Luminaire	Luminaire	400 W-4*100 W LED (DC 24V with dimming)			
	Luminous flux	64,000 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 202.5° 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	10 hours (Theoretical data for reference only)		14 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	7			
Optional parts or accessories	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: 816 Curtis Saunders Ct. Chesapeake, VA 23321, USA
www.grandwatt.com