



Modular Microgrid Power Solutions

Mobile containerized solar rack system for rapid off-grid deployment in remote locations.



Model No. : 10HC-SR66

QUICK DEPLOYMENT



1. Leveling and ground preparation.



2. Lift the container onto the prepared ground, and take out the parts.



3. Use a crane or forklift to tilt the side wall onto the ground.



4. Install the tracks and the winch/motor.



5. Start the winch/motor, deploy the panels.



6. Connect the PV cable harness.

APPLICATIONS



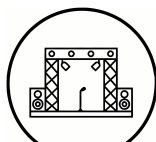
Mining



Military



Island Areas



Events



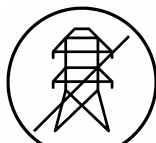
Construction Site



Disaster Relief



Desalination



Off-grid Areas

FEATURES

- ✓ Mobile System
- ✓ Quick Deployment
- ✓ Scalability
- ✓ Grid Independence
- ✓ Robust Construction
- ✓ Wide Applications
- ✓ Cost-Effectiveness
- ✓ Energy Savings



Category	Parameter	Value
General Configuration	Product Model	10HC-SR66
	Solar Array Capacity (Pmax / kWp)	66
	Total Weight (tons)	8
	Unfolded Footprint (L×W×H, m)	72 × 4.8 × 2.9
	Folded Dimensions (L×W×H, m)	3 × 2.4 × 2.9
	Max. Slope Tolerance	1%
	Installation Orientation	Any azimuth
	Full Unfolding Time (mins)	120
	Full Folding Time (mins)	60
	Required Installation Crew	3 persons
Container	Expansion Method	- Electrical winch expand & ground install.
	Type	10HC
	External Dimensions (L×W×H, mm)	3,029 × 2,438 × 2,896
	Tare Weight (tons)	0.9
	Coating grade	C4 or C5-M
	Shipping Class Certification	CCS (ABS or other option) (ship 2 in 1 as one 20HC)
Mounting Structure	Material	Steel square tube (Hot-dip galvanized)
	Single Bracket Size (mm)	4,736 × 2,364 × 40
	Panels per Bracket	4
	Deployment Angle	15° (Adjustable by project)
	Total Bracket Length (m)	72
	Projected Area (m ²)	345.6
	Number of Brackets	28
Solar Panels	Panel Model	GKA182N144 - 590W (Other model customizable)
	Panel Type	TOPCon
	Max. Power per Panel (Wp)	590
	Vmpp (V)	43.38
	Impp (A)	13.60
	Voc (V)	51.84
	Isc (A)	14.47
	Panel Dimensions (mm)	2,278 × 1,134 × 30
Solar Array	Weight per Panel (kg)	30.7
	Panel Qty. per String	8
	String Qty.	14
	Total Panel Qty.	112
	String Voltage- Voc	414.72
	String Voltage- Vmpp	347.04
	Parrel Current - Isc	202.58
	Parrel Current - Impp	190.40
Total Array Power - kWp		66