



Modular Microgrid Power Solutions

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



Model No. : 20HC-SR157

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



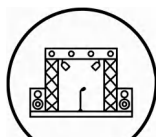
Mining



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	20HC-SR157
	Solar Array Capacity (Pmax / kWp)	157.2
	Total Weight (tons)	15.2
	Unfolded Footprint (L×W×H, m)	127 × 6.4 × 2.9
	Folded Dimensions (L×W×H, m)	6.1× 2.4 × 2.9
	Max. Slope Tolerance	1%
	Installation Orientation	Any azimuth
	Full Unfolding Time (mins)	120
	Full Folding Time (mins)	80
	Required Installation Crew	4 persons
Expansion Method		- Electrical winch expand & ground install. - Option auto folding system at 30mins folding or unfolding available)
Container	Type	20HC
	External Dimensions (L×W×H, mm)	6,058 × 2,438 × 2,896
	Tare Weight (tons)	2.5
	Coating grade	C4 or C5-M
	Shipping Class Certification	CCS (ABS or other option)
Mounting Structure	Material	Steel square tube (Hot-dip galvanized)
	Single Bracket Size (mm)	5,830 × 2,468 × 50
	Panels per Bracket	5
	Deployment Angle	15° (Adjustable by project)
	Total Bracket Length (m)	95
	Projected Area (m ²)	813
	Number of Brackets	48
Solar Panels	Panel Model	LR7-72HVHF - 655M (Other model customizable)
	Panel Type	BC
	Max. Power per Panel (Wp)	655
	Vmpp (V)	44.66
	Impp (A)	14.67
	Voc (V)	54
	Isc (A)	15.37
	Panel Dimensions (mm)	2,382× 1,134 × 30
	Weight per Panel (kg)	28.5
Solar Array	Panel Qty. per String	15
	String Qty.	16
	Total Panel Qty.	240
	String Voltage- Voc	810
	String Voltage- Vmpp	669.9
	Parrel Current - Isc	245.92
	Parrel Current - Impp	234.72
	Total Array Power - kWp	157.2