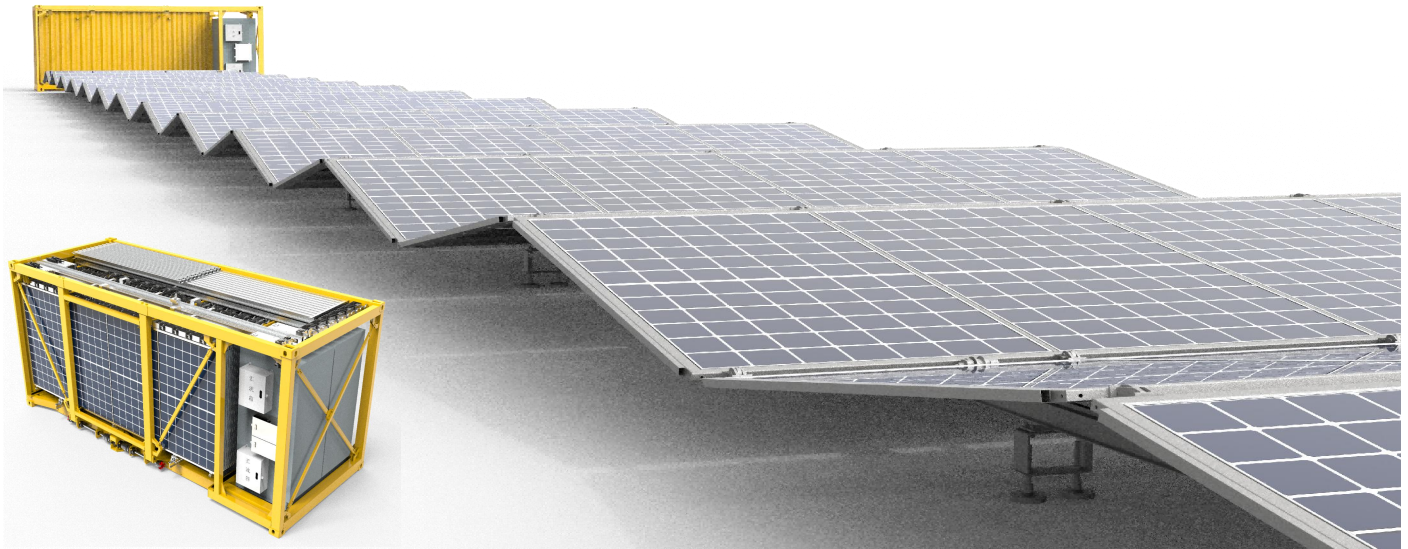




Modular Microgrid Power Solutions

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



Model No. : 20HC-PC-126-241-125

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



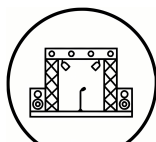
Mining



Military



Island Areas



Events



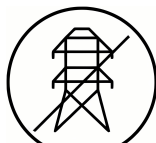
Construction Site



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-PC126-241-125
	Solar Array Capacity (Pmax / kWp)	125.76
	Total Weight (tons)	15
	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
Container	Expansion Method	- Electrical winch expand & ground install.
	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
Mounting Structure	Shipping Class Certification	CCS (ABS or other option)
	Material	Steel square tube (Hot-dip galvanized)
	Single Bracket Size (mm)	5,830 × 2,468 × 50
	Panels per Bracket	4
	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
	Imp (A)	14.67
	Voc (V)	54
	Isc (A)	15.37
	Panel Dimensions (mm)	2382× 1134 × 30
	Weight per Panel (kg)	28.5
Solar Array	Panel Qty. per String	12
	String Qty.	16
	Total Panel Qty.	192
	String Voltage- Voc	648
	String Voltage- Vmpp	535.92
	Parrel Current - Isc	245.92
	Parrel Current - Imp	234.72
	Total Array Power - kWp	125.76
Energy Storage System (ESS)	Battery Module	LFP314Ah
	Cell Capacity (Ah)	314
	Battery Pack	51.2V and 314 Ah
	Rated Voltage (V)	768
	Rated energy (kWh)	241.15
	Nominal Frequency	50 Hz
	Battery Voltage Range (V)	672 ~ 864
Inverter	Model	SUN-125K-SG02HP3-EU-GM10
	Rated Power (kW)	125
	Phase	Three-phase (3L+N+PE)
	Protection Degree	IP65
	Operating Temp. Range	-40°C to +60°C (+45°C derating)