

HYBRID SOLAR CONTAINER

Mobile Power Cube



• 20HQ 75KW-261KWH / 40HQ 150KW-261KWH / 40HQ 150KW-466KWH



Plug & play Turnkey Solution

All-in-one system: Can be installed in 4/8 hours, compared to weeks/months for fixed solar. No civil works, no foundations, minimal permitting



Rapid Deployment

Ideal for temporary or seasonal sites (construction, mining, events, military, disaster relief). Can be redeployed multiple times → higher asset utilization.



Modular & Scalable

Multiple containers can be paralleled to create 100 kW-multi-MW microgrids. Flexible expansion based on project growth. Easy integration with existing gensets (hybrid mode).



Up to 600/1200m² PV area

The product frame allows you to install 168/336 pcs PV panels with dimensions of 2278 x 1134 mm. PV panels - 590W.



Place for inverters inside.

There is enough space inside to install the necessary equipment.



Optional hybrid generator

It is possible to install a power generator, to the Meox power cube will provide a constant supply of energy.

MOBILE POWER CUBE

Model	20SEO-75KW/261KWH	40SEO-150KW/261KWH
Type of Container	20 Feet High Cube Open Side	40 Feet High Cube Open Side
External Dimensions (L×W×H/mm)	6058*2438*2896	12192*2438*2896
Container Weight (Tons)	3	7
Solar Array Capacity (Pmax/kWp)	74.34	148.68
Total Weight (Tons)	12.5	26.8
Folding & Unfolding Time (Min.)	120/80	240/160
Installation Person	6	12
Operating Temperature (°C)	-30~+60	
Unfolded Footprint (L×W×H/m) @ 15°	102*6*0.9	102*12*0.9
Folded Footprint (L×W×H/m)	6*2.34*2.9	12*2.34*2.9
Max. Slope Limit	1%	
Compatibility (Option 1)	AC output with inverter	
Compatibility (Option 2)	Liquid Cooling Lithium battery cabnit 125KW/261KWH	
Compatibility (Option 3)	Diesel generator	
Compatibility Method	AC Coupling	
Orientation	Any azimuth by container	
Solar Panel Type	N Type Topcon	
Solar Panel Power (Pmax/Wp)	590W per module	
Quantity of modules	126	252
String capacity (Pmax /kWp)	74.34 kWp	148.6
Output Power Volt & current (v/Hz)	380 /400, 3L/N/PE	
Operating temperature	-30 °C to +60 °C (-86°F to +140 °F)	
Inverter Brand	Sineng/Solis	
Inverter Type	off-grid, Hybrid	
Quantity of inverters (sets)	1	2
Bracket Materials	Hot Galvanized Carbon Steel	
Single Bracket Dimension(mm)	4718*2342*30/42Pages/3Row	
Angle of Unfolding Bracket (°)	15	
Length of Unfolding Bracket(m)	102	
Project area of Unfolding	415	850

Qualification Certification

TÜV Tested, CE Certified / ISO 9001 (Quality Management System) / ISO 14001 (Environmental Management System)
ISO 45001 (Occupational Health and Safety Management System)