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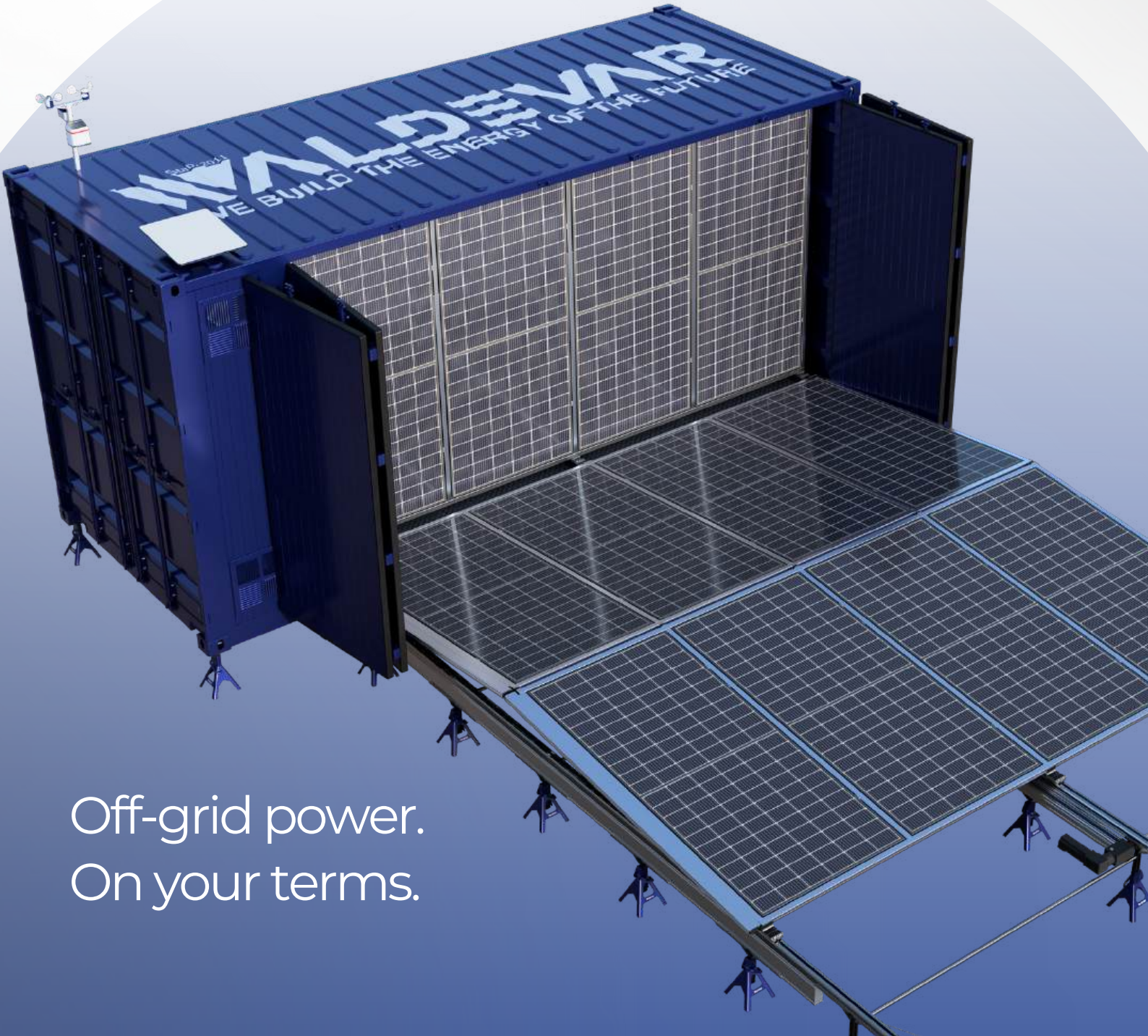
WALDEVAR

WE BUILD THE ENERGY OF THE FUTURE



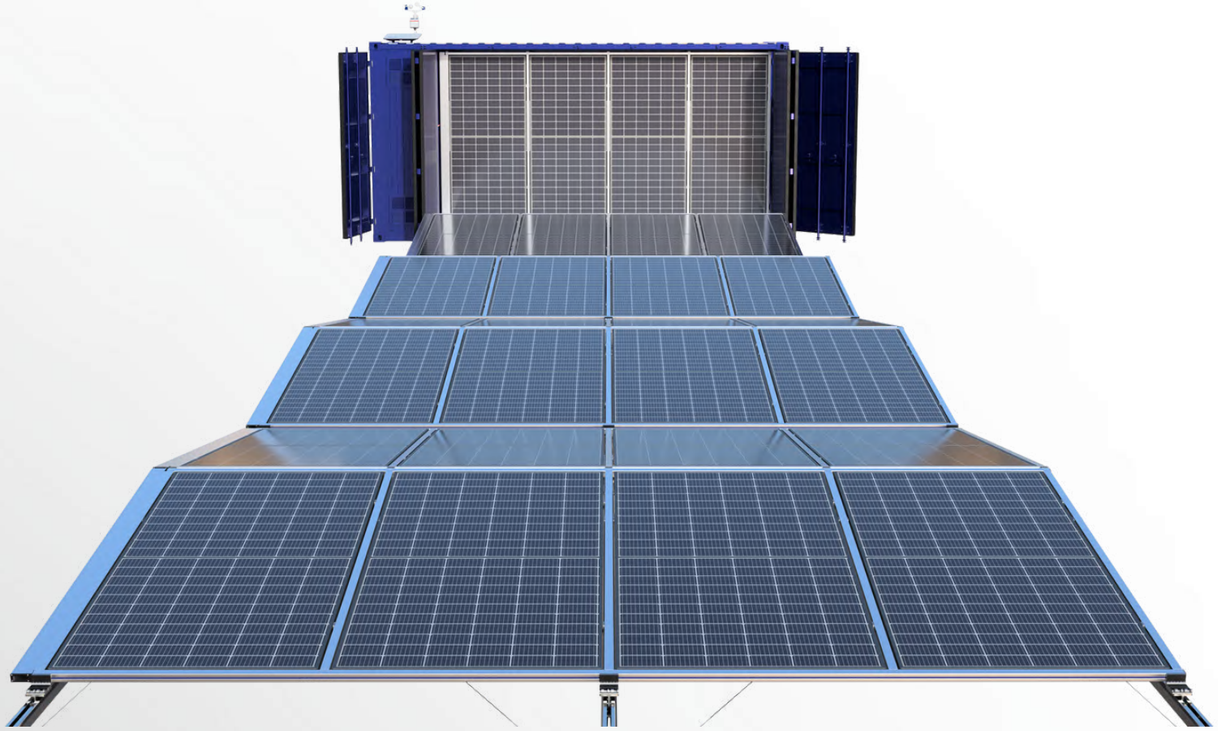
Off-grid power.
On your terms.

Mobile PV Power Container

Autonomous. Durable. Ready to Deploy.

Strategic Overview
Your Instant Power Solution

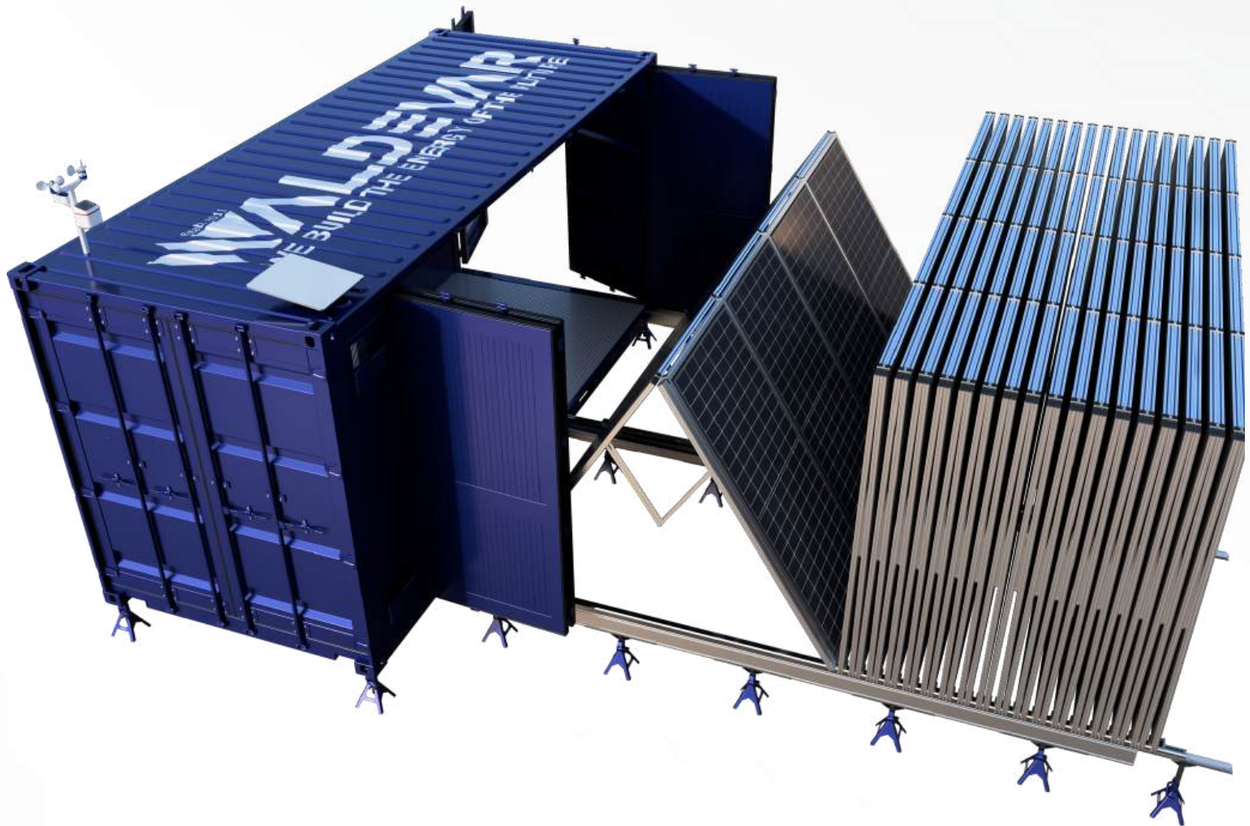
Our high-performance solar container is designed to deliver reliable, clean energy in remote or **off-grid environments**. Built with premium components and engineered for autonomous operation, it ensures energy independence in the most challenging conditions.



Advantages of the PV Container

Clean power wherever you need it

- Energy Independence – No reliance on fuel or external grid
- Rapid Deployment – Plug-and-play solution that can be operational within hours
- Reduced Operational Costs – Minimal maintenance and no fuel dependency
- Scalable & Modular – Easily integrated with additional units
- Sustainable & Eco-Friendly – Zero-emissions power supply



Total Energy Output:
Peak Power up to **89 kW**, depending on solar conditions and system configuration.

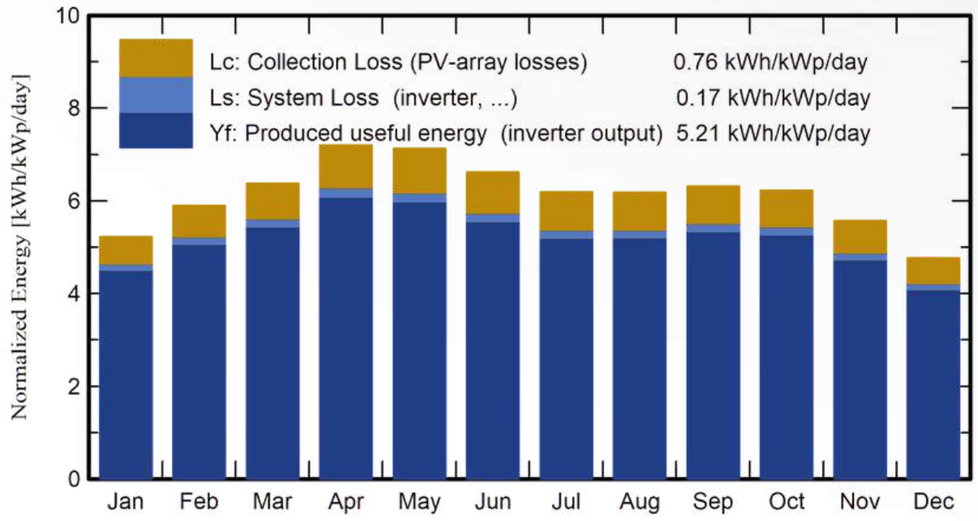
Components

- Designed using industry-leading technology, this unit brings together reliability, efficiency, and ease of use in one plug-and-play package
- Horay Solar® Panels – High-efficiency monocrystalline panels
- Solar MD® Batteries – Lithium-ion storage system with robust energy management
- Deye®Inverters – Intelligent hybrid inverters for seamless energy conversion

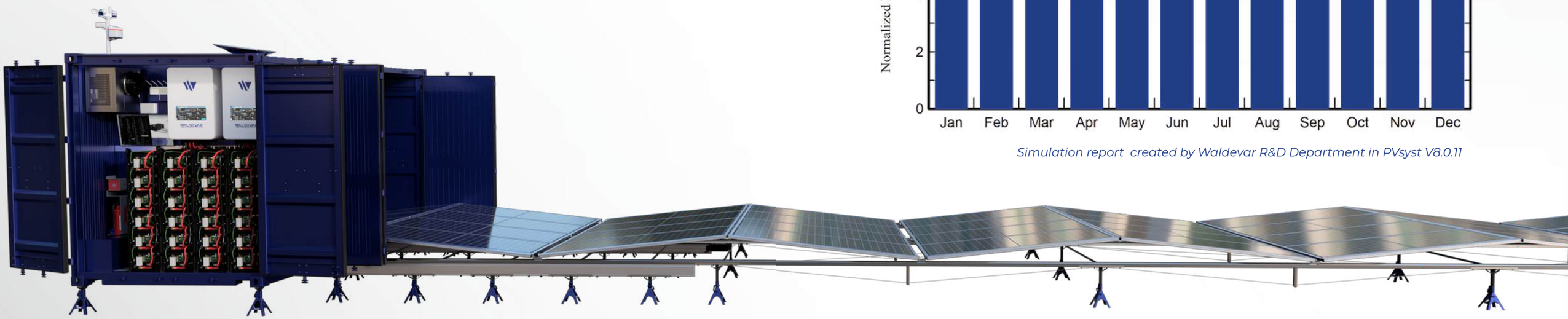
Key Features

Beyond Power: Your Off-Grid Energy Solution

- **Fully Integrated & Mobile** – All-in-one power solution
- **Rapid Deployment** – Automated setup with minimal manual input
- **Smart Forecasting** – Built-in weather station for real-time energy planning
- **Certified & Compliant** – International safety and transport standards
- **Durable & Secure** – Engineered for mobility, protection, and longevity in any environment
- **Connected & Controlled** – Optional satellite internet connectivity, climate control, and fire suppression for reliable operation anywhere.
- **System Production -** *Example from Muscat, Oman*
- **Specific production** – 1814 kWh/kWp/year



Simulation report created by Waldevar R&D Department in PVsyst V8.0.11



- Remote industrial sites
- Military bases & operations
- Emergency response & disaster relief
- Off-grid communities
- Eco-turism & festivals
- Construction and mining sites
- Mobile field labs or research stations

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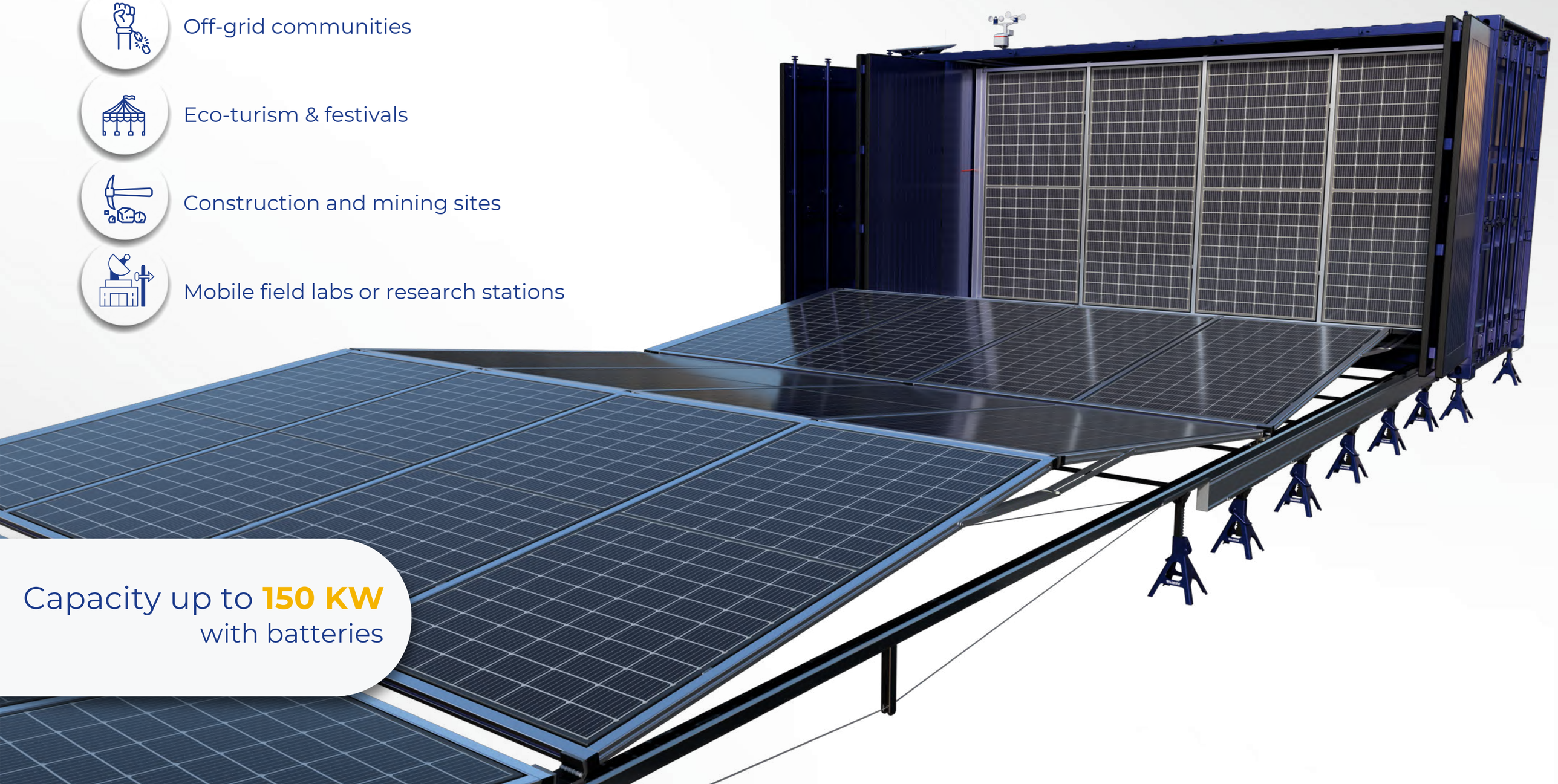
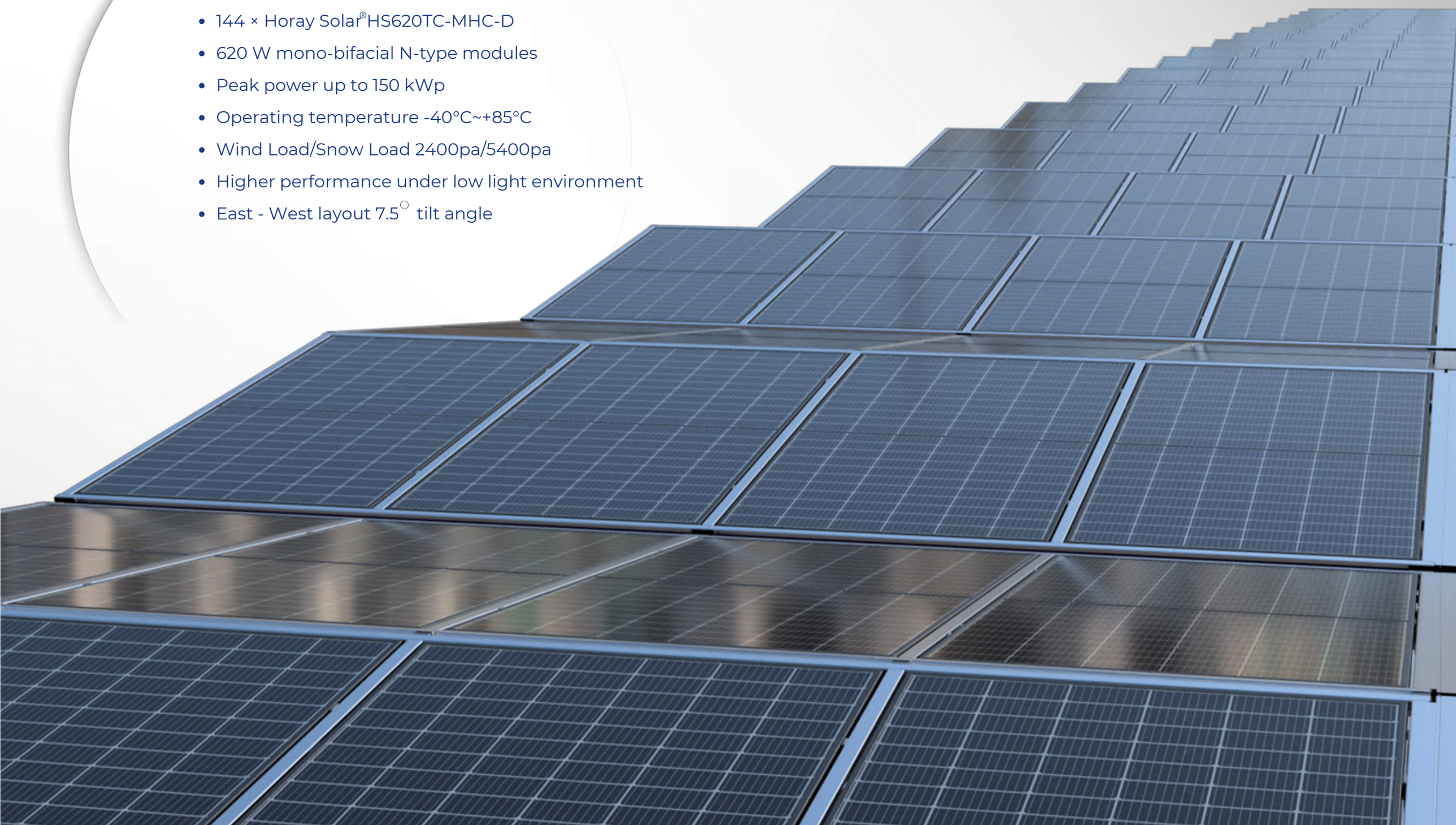
Energy wherever it’s needed.



Capacity up to **150 KW**
with batteries

Solar Array

- 144 × Horay Solar® HS620TC-MHC-D
- 620 W mono-bifacial N-type modules
- Peak power up to 150 kWp
- Operating temperature -40°C~+85°C
- Wind Load/Snow Load 2400pa/5400pa
- Higher performance under low light environment
- East - West layout 7.5° tilt angle



Inverter system

2 × Deye SUN® 75K-SG02HP3-EU-EM6

75 kW hybrid 3 - phase inverter

160 A charge/ discharge

Peak power: 112.5 kW (10s burst)

AC-coupling & generator-compatible

Max efficiency: 97.6%

Output voltage: 230 / 400 V

Grid connection from: 3L+N+PE

Output grid frequency: 50 Hz

Output active power: 150 kW

Battery System

- 2 × Solar MD® SS7018-05 (each: 11 × SS6160 modules + 1 shared BMU)
- Total Capacity: 352 kWh
- $LiFePO_4$ cells (CATL)
- 7000+ cycles | CE / UL / IEC certified
- Integrated BMS per module & centralized BMU for system safety and performance
- Battery lifetime – 25 years
- Max. discharge power - 150 kW

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