GOODWE

Oasis Plus – Mobile Energy Station

Oasis Series BMT-G5/120A

A containerized rapid-deployment solar power station designed for a wide range of project sites. Its pre-integrated architecture minimizes on-site installation and commissioning time. Foldable, relocatable, and reusable, it enables faster project deployment and flexible power supply wherever it's needed. Supporting multi-system integration and an all-in-one energy solution, it is engineered to meet project-scale power demands.

Rapid Deployment

- Deployment within 12 Hours
- 10-Minute System Unfolding
- Turnkey Containerized Solution
- Integrated PV + ESS Architecture

Flexible Asset Utilization

- Foldable & Relocatable Design
- Multi-Site Reusability
- Reduced Asset Idle Time
- Extended Lifecycle Value

Minimal Site Preparation

- Patented OASISLIFT ™ Elevation System
- Minimal Ground Disturbance
- Reduced Civil Engineering Requirements
- Flexible Site Adaptation

Reliable Power Supply

- Multi-Mode System Configuration
- Adaptable to Diverse Applications
- Ruggedized Structure for Harsh Environments
- Corrosion-Resistant Outdoor Design

Oasis Series - Power Where Possibility Begins

IEC 61215
IEC 61730

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Structural Data	BMT-G5/120A
Folded Dimensions	6058 × 2438 × 2896 mm (20 ft HC)
Deployed Dimensions	45 × 11.88 × 1.4-1.85m
Total Weight	13t
Panel Tilt Angle	0° -60°, Adjustable
Number of PV Panels	160PCS
Structural Material	Q235B Carbon Steel

Carbon Neutrality Performance

30-Year Energy Yield	2.996 million kWh
Coal Equivalent Saved (30 Years)	807.6t
CO_2 Emissions Avoided (30 Years)	2072.3t

Electrical Data

Installed Capacity	91.2kWp
Maximum Power (Pmax)	570W
Power/ m^2 (W/ m^2)	232W/m^2
Voltage at Max Power (Vmpp)	38.13V
Current at Max Power (Impp)	14.95A
Voltage at Open Circuit (Voc)	44.55V
Current at Short Circuit (Isc)	15.62A

Safety Data

Wind Resistance (Deployed)	Level 8 (Anchoring or counterweighting is required as specified)
Wind Resistance (Folded)	Level 12
Maximum Static Load (Front/Rear)	2400Pa
Protection Class	II
Corrosion-resistat Class	C3
Design Life	25 Years

GOODWE TECHNOLOGIES CO., LTD
No. 93 Tayuan Road Suzhou, 215011, China
info.pvbm@goodwe.com
en.pvbm.com

GoodWe BIPV Solutions Datasheet – 20260723 Data presented is subjected to change. GoodWe reserve the final right for explanation on any of the information presented hereby.