



**SOLAR HYBRID POWER IN A BOX.**  
**OFF-GRID | 3 PHASE | 400/230V, 50HZ |**  
**DEPLOYED IN HOURS.**



**HILBER**  
**SOLAR**

**PLUG &  
PLAY.**  
**OFF-GRID.**  
**RELIABLE.**

**The Micro Grid is a mobile and flexible photovoltaic system for generating clean, renewable energy.**

The **Micro Grid** is a 24/7/365 fully off-grid solar hybrid power system, factory pre-assembled and ready to deploy anywhere.

Based on a single standard 20ft container, it can be operational within a few hours of arrival. No civils or groundworks required.

A solar array and large capacity battery bank handle power generation and storage. A diesel generator provides automatic backup when solar output alone isn't enough. The system manages the switch between all three seamlessly, delivering reliable 3 phase output around the clock, in any conditions.

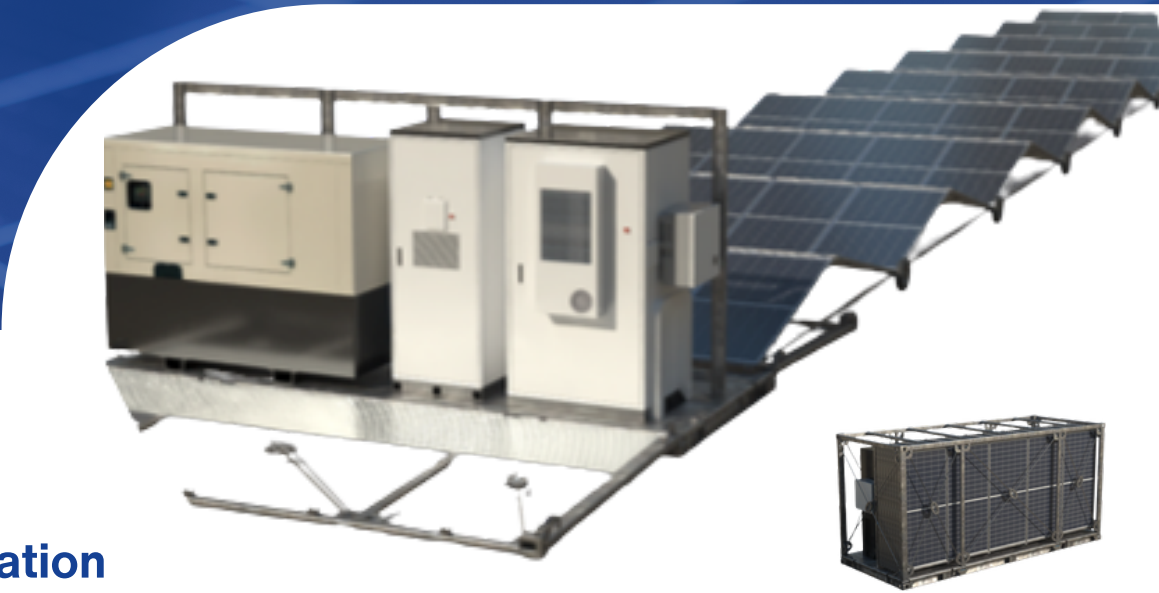
Robust, mobile and genuinely self-contained, the **Micro Grid** is engineered for the sites and operations that can't wait for grid connection, and can't afford for the power to go down.

**Available to hire or buy now.**

For more information call: **01622 534000** or visit: **[www.solargates.co.uk](http://www.solargates.co.uk)**



**SG in partnership with Hilber Solar.**



## Technical Information

<b>Description</b>	Off-grid 24/7/365 solar hybrid automated power system.
<b>Solar array</b>	57.15 kWp DC / 40 kW inverter, East-West 14° tilt, galvanised steel frame.
<b>Battery storage</b>	LFP (CATL), 280 Ah / 197 kWh, 0.5C / 90% DoD, with integrated energy management.
<b>AC output</b>	50 kW, 400/230V, 3 phase, 50 Hz (off-grid).
<b>Diesel backup</b>	60 kVA \ 48 kW, Stage 3A emissions, 850 L integrated tank, 69 dB(A) @ 7m.
<b>Switching</b>	Automatic (STS 100, 100 kVA), seamless solar / battery / genset management.
<b>Container</b>	Shipping container format, ISO-compliant, CSC certified. 6.06 x 2.44 x 2.90m.
<b>Total weight</b>	12 tonnes.
<b>Output</b>	400/230V, 3 phase, 50 Hz, plug and play on arrival.
<b>Deployment</b>	Single container, operational within hours of arrival on site.

## Advantages of the Micro Grid



### Fast Installation

Pre-assembled components.



### Easy to Transport

Transport via truck, ship or rail.



### Environment

Clean, renewable energy.



### Flexible + Mobile

Ideal for short-term use.



### Reliable

PV system can be folded + protected.



### Integration

Self consumption with excess feed-in or off-grid.



### Protection

Allianz protection for function + return.



### Hire or Buy

Available for purchase, renting or leasing.

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