

# MicroGrid Box

**3x4kW AC/DC converter**  
**2x10kW PV MPPT converter**  
**SW controlled via Modbus**



## Description

The MicroGrid Box is the easy way to build a DC microgrid all in one box, everything pre-wired, ready to install.

The power shelf can be prepared for future upgrades, up to 24kW DC converters and 30kW of PV converters in one small box.

And you can't outgrow the system, simply add more power shelves and you can grow the system up to Mega-watts if you need.

Output 350 or 700Vdc (+/- 350)

## Features

- Dual Converter™ technology for highest possible energy efficiency.
- NetTracker® technology for PV stings
- SW settable Droop control
- Hot-swappable
- Remote monitoring via Modbus
- LEDs for status indication
- Black start capabilities

MicroGrid Box	
<b>PV Input</b>	
MPPT start Voltage	Output +10Vdc
Input maximum voltage	1.150Vdc (sw protection at 1.050Vdc)
Input current	25A max /module
<b>AC Input</b>	
Input voltage, nominal	3x 230 Vac (5 wire)
Input voltage range	195-264 Vac
Input frequency	47-63 Hz
<b>Output</b>	
Output power PV (continuous)	2x 8.200W(@350V) 10.000W(@700V)
Output power AC/DC	3x 4.000W
Output voltage, nominal	350 / 700Vdc (SW settable 200 - 850)
Minimum load	20W / module
<b>Other technical data</b>	
MPPT	1 per string input
Fan cooled (front to back)	2x redundant fans
Thermal reduction	Yes
Short circuit & over current protection	SW controlled current + In- & Output fuses
Visual fault indication	Dual LEDs
Alarm output	Digital alarm to NetManager™ SW Modbus
Audible noise	<30 dBA
Safety	EN/IEC 60950, class 1
EMC	EN 61000-6-8
Operation temperature	-10°C => +55°C (Thermal reduction)
<b>Mechanical data</b>	
Weight, powershell	40 kg (9 modules installed)
Width	19 Inch
Height	4U
Depth	400 mm
Enclosure	IP 20



24kW AC/DC + 30kW PV

\*All data preliminary, subject to change

