OFF-GRID INVERTER · 6 KW

No grid, still a house full of power

DLXN-BIN-S-I-6KW



Why this one

- **No more outages**
  10 ms transfer — PCs never reboot
- **Lower bills**
  Solar runs the house, surplus charges the battery
- **Fast to install**
  Wall-mount, two people, half a day
- **Grows with you**
  Nine units in parallel
- **Backed up**
  Three-year warranty, CE / NRS097 certified
- **Visible**
  App shows yield, load and battery

How it is already being used

Home

The night the grid went, homework carried on

Lights, fridge, router and fans move to battery in 10 ms

Shop

Closed for the night, chillers still cold

PV pays for the AC by day, the battery carries it overnight

Farm

The pump runs when you need it

A 750 W pump starts straight off the inverter, no diesel

Key specifications

Rated output	6 kW / 6 kVA, single-phase 230 V
Max PV input	8 kW (2 × 4 kW MPPT)
Battery	48 V LiFePO4, 100 A charge
Transfer time	20 ms
Peak efficiency	94%
Protection	IP20

Want a design sized on your own consumption?

Send your address and last bill — configuration and price back within 48 hours.

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Technical data (for engineers and installers)

AC Output	
Rated Power	6kVA/6kW
Surge Power	12kW/12kVA
AC Output Voltage	208/220/230/240Vac(Settable)
Rated AC Output Frequency	50/60Hz
Max Inverter Efficiency	94%
Transfer Time	<20ms@Single, <30ms @ Parallel
output waveform	Pure Sine Wave
Power Factor	1
No-Load Loss	<45W@Rate Voltage
PV Input	
Number Of MPP Trackers	2
Max PV Input Power	4000W*2
Max PV Array Open Circuit Voltage	500Vdc
Max PV Input Current	16A *2
Startup Voltage	100Vdc±10Vdc
MPPT Voltage Range	65Vdc-450Vdc
MPPT Charging Efficiency	99%
Battery	
compatible battery types	Lead-acid,Lithium battery
MPPT Voltage Range	65Vdc-450Vdc
MPPT Charging Efficiency	99%
Compatible Battery Types	Lead-acid,Lithium battery
Rated Battery Voltage	48Vdc
Battery Voltage Range	40Vdc-60Vdc
Minimum Cold Start Battery Voltage	46Vdc
Max Solar Charging Current	100A
Max AC Charging Current	80A
Max Charging Current(PV+AC)	100A
Activate The Lithium Battery Function	PV / AC
Mechanical Specifications	
Inverter Dimensions	391*345*131mm
Packing Measurements	475*440*203mm
Net Weight	9.8kg
Gross Weight	11.2kg
Monitoring Option	WiFi Module
Environment	
Protection Degree	IP20
Humidity	5% to 95% Relative Humidity (Non-condensing)
Altitude	<2000 Meters
Operating Temperature	-10℃~50℃
Storage Temperature	-15℃~60℃
Noise	<60dB
Certificate	CE