HYBRID INVERTER · 6 KW

Sun by day, battery by night, the lights stay on

DLXN-OCT-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	9 kW (2 × 4.5 kW MPPT)
Battery	48 V LiFePO4, 100 A charge
Transfer time	10 ms single / 20 ms parallel
Peak efficiency	96.5%
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(Off Grid)	
Rated Power	6kW/6kVA
Surge Power	12kW/12kVA
AC Output Voltage	208/220/230/240Vac(Settable)
Rated AC Output Frequency	50Hz / 60Hz (Auto detection)
Max Inverter Efficiency	96.5%
Transfer Time	<20ms@Single, <30ms @ Parallel
Output Waveform	Pure Sine Wave
Power Factor	1
No-Load Loss	<45W@Rate Voltage
AC Output (On Grid)	
0.8 leading to 0.8 lagging	
Rated Voltage	230Vac
Rated Grid Frequency	50Hz
THD	< 5%
PV Input	
Number Of MPPT Trackers	2
Max PV Input Power	4500W*2
Max PV Array Open Circuit Voltage	500Vdc
Max PV Input Current	18.5A*2
Startup Voltage	100Vdc ±10Vdc
MPPT Voltage Range	65Vdc-450Vdc
MPPT Charging Efficiency	99.9%
Battery	
Compatible Battery Types	Lead-acid,Lithium battery
Startup Voltage	100Vdc±10Vdc
MPPT Voltage Range	65Vdc-450Vdc
MPPT Charging Efficiency	99.9%
compatible battery types	Lead-acid,Lithium battery
Rated Battery Voltage	48Vdc
Battery Voltage Range	38.4Vdc-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
Protection	
Over Current/Voltage Protection; Anti-islanding Protection; AC Short-Circuit Current Protection Leakage Current Protection; Ground Fault Monitoring; Grid Monitoring DC surge protection OVC II; AC surge protection OVC III	
Mechanical Specifications	
Inverter Dimensions	394*358*131mm
Packing Measurements	475*440*203mm
Net Weight	10.35KG
Gross Weight	12KG
monitoring option	WiFi Module
Environment	
Protection Degree	IP20
Humidity	5%~95% relative humidity (non-condensing)
Altitude	<2000 Meters
Operating Temperature	-10℃~50℃
Storage Temperature	-15℃~60℃
Noise	<60dB
Certificate CE, Compliant with	NRS097/EN50549-1/ EN50549-10 and other certification standards