HYBRID INVERTER · 8–12 KW

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

DLXN-OCT-S-I-8/10/12KW



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	8 / 10 / 12 kW, single-phase 230 V
Max PV input	12 / 15 / 18 kW (dual MPPT)
Battery	48 V LiFePO4, 190–250 A charge
Transfer time	10 ms single / 20 ms parallel
Peak efficiency	96.5%
Protection	IP20 (IP54 available)

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	8kW/8kVA 10kW/10kVA 12kW/12kVA
Surge Power	16kW/16kVA 20kW/20kVA 24kW/24kVA
AC Output Voltage	208/220/230/240Vac(Settable)
Rated AC Output Frequency	50Hz / 60Hz (Auto detection)
Max Inverter Efficiency	96.5% (PV/AC)
Transfer Time	<10ms@Single,<30ms @ Parallel
output waveform	Pure Sine Wave
Power Factor	1
No-Load Loss	<75W@Rate Voltage
AC Output (On Grid)	
Power Factor	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	6000W*2 7500W*2 9000W*2
Max PV Array Open Circuit Voltage	550Vdc
Max PV Input Current	27A*2
Startup Voltage	65Vdc
MPPT Voltage Range	65~500Vdc
MPP tracking efficiency	99.9%
Battery	
compatible battery types	Lithium battery, lead-acid battery
MPPT Voltage Range	65~500Vdc
MPP tracking efficiency	99.9%
Compatible Battery Types	Lithium battery, lead-acid battery
Rated Battery Voltage	48/51.2Vdc
Battery Voltage Range	38.4Vdc~60Vdc
Minimum Cold Start Battery Voltage	46Vdc
Max Solar Charging Current	190A 220A 250A
Max AC Charging Current	170A 190A 210A
Max Charging Current (PV+AC)	190A 220A 250A
Activate The Lithium Battery Function	PV/AC
Protection	
Over Current/VoltageProtection; Anti-islanding Protection; AC Short-Circuit CurrentProtection Leakage CurrentProtection; Ground Fault Monitoring; Grid Monitoring; DC surge protection OVC II AC surge protection OVC III	
Mechanical Specifications	
Inverter Dimensions	470*395*135mm
Packing Measurements	565*485*231mm
Net Weight	16.25kg 16.35kg 16.55kg
Gross Weight	18.2kg 18.3kg 18.5kg
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,NRS097/EN50549-1/EN50549-10