SPLIT-PHASE INVERTER · 8–12 KW

Native 120/240 V, no external transformer

DLXN-OCT-P-II-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, 120/240 V split-phase
Max PV input	16 / 20 / 24 kW (dual MPPT)
Battery	48 V LiFePO4, 190–250 A charge
Transfer time	10 ms single
Peak efficiency	96.5%
Certification	UL 1741 · FCC

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	Single Phase: 100V/110V/120V/127V ,Split Phase: 120V/240V 2/3 Phase: 127V/220V ,Parallel Mode Three-Phase: 120V/208V
Rated AC Output Frequency	50Hz / 60Hz (Auto detection)
Max Inverter Efficiency	96.5% (PV/AC)
Transfer Time	<10ms@Single, <20ms @ Parallel
Output Waveform	Pure Sine Wave
No-Load Loss	≤75W@Rate Voltage
AC Output(On Grid)	
Power Factor	0.8 leading to 0.8 lagging
Rated Voltage	Single Phase: 100V/110V/120V/127V ,Split Phase: 120V/240V ,2/3 Phase: 127V/220V ,Parallel Mode Three-Phase: 120V/208V
Rated Grid Frequency	50Hz/60Hz (Auto detection)
Max Output Current	34A(Split Phase) 67A(Single Phase) 42A(Split Phase) 84A(Single Phase) 50A(Split Phase) 100A(Single Phase)
PV Input	
Number Of MPPT Trackers	2
Max PV Input power	8000W*2 10000W*2 12000W*2
Max PV Array Open Circuit Voltage	550Vdc
Max PV Input Current	27A*2
Startup Voltage	75Vdc
MPPT Voltage Range	65~500Vdc
MPP tracking efficiency	99.9%
Battery	
Compatible Battery Types	Lead-acid,Lithium battery
Rated Battery Voltage	48V/51.2V
Battery Voltage Range	38.4Vdc~60Vdc
Cold Start Battery Voltage	46Vdc
Max Solar Charging Current	190A 210A 210A
Max AC Charging Current	190A 210A 250A
Max Charging Current (PV+AC)	190A 210A 250A
Activate The Lithium Battery Function	PV/AC
Protection	
Over Current/Voltage Protection; Anti-islanding Protection; AC Short-Circuit Protection; Leakage Current Protection; Grid Monitoring; Ground Fault Monitoring; DC Surge Protection OVC II; AC Surge Protection OVC III	
Mechanical Specifications	
Inverter Dimensions	541*518.7*141.2mm
Packing Measurements	626.5*603*5*231mm
Net Weight	21.2kg 21.3kg 21.5kg
Gross Weight	24.4kg 24.5kg 24.7kg
Environment	
Protection Degree	IP20
Humidity	5%~95% non-condensing
Altitude	<2000 Meters
Operating Temperature	-10℃~50℃
Storage Temperature	-15℃~60℃
Noise	<75dB
Certificate	UL 1741,FCC