THREE-PHASE INVERTER · 16–22 KW

Three phases for pumps, cold rooms, machine tools

DLXN-OCT-T-I-16/18/20/22KW



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	16 / 18 / 20 / 22 kW, three-phase 400 V
Max PV input	32 / 36 / 40 / 44 kW
DC voltage	up to 1000 Vdc — longer strings, lower losses
Battery	48/51.2 V, up to 460 A charge
Peak efficiency	96.5%
Parallel	up to 9 units, 198 kW

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	16kW/16kVA 18kW/18kVA 20kW/20kVA 22kW/22kVA
Surge Power	32kW/32kVA 36kW/36kVA 40kW/40kVA 44kW/44kVA
AC Output Voltage	230/400Vac, 220/380Vac, 3L/N/PE
Rated AC Output Frequency	50/60Hz auto sensing
Max Bypass Output Current	52A
Max Inverter Efficiency	96.5%
output waveform	Pure Sine Wave
No-Load Loss	<120W
Max Output Current	24.3A 27.3A 30.3A 33.3A
THD	<3% for linear load, <5% for non-linear load @ V nominal
PV Input	
Max. Power	16000W+16000W 18000W+18000W 20000W+20000W 22000W+22000W
Max. PV Array Open Circuit Voltage	1000Vdc
Start-up Voltage	150Vdc±10Vdc
Nominal PV Voltage	720Vdc
Full load MPPT voltage rated	400Vdc ~ 900Vdc 450Vdc ~ 900Vdc 500Vdc ~ 900Vdc 550Vdc ~ 900Vdc
MPPT Voltage Range	150Vdc ~ 900Vdc
Number Of MPP Trackers	2
Max. DC Input Current	40Amp+40Amp
Battery	
Rated Battery Voltage	48/51.2Vdc
Battery Voltage Range	40Vdc-60Vdc
Minimum Cold Start Battery Voltage	46.0Vdc
Battery Overcharge Protection Voltage	60.0Vdc
Max Solar Charging Current	340Amp 380Amp 420Amp 460Amp
Max AC Charging Current	300Amp 340Amp 380Amp 420Amp
Max Charging Current (PV+AC)	340Amp 380Amp 420Amp 460Amp
MPP tracking efficiency	99.9%
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	
Environment	
Operation Temperature Range	-10°C ~ +50°C
Storage Temperature Range	-15°C ~ +60°C
Altitude	<2000m
Relative humidity	5% ~ 95% non-condensing
Protection Degree	IP20
Safety Certification CE	