ALL-IN-ONE · 6 KW + 16 KWH

One box on the wall, 16 kWh in the house

DLXN-ESS-S-I-1606



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 (dual MPPT)
Battery	51.2 V · 314 Ah = 16 kWh integrated
Transfer time	10 ms
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	
Rated Power	6kW/6kVA
Surge Power	12kW/12kVA
AC Output Voltage	230Vac
Rated AC Output Frequency	50Hz / 60Hz (Auto detection)
Max Bypass Output Current	40A
Max Inverter Efficiency	96.5%(PV/AC)
output waveform	Pure Sine Wave
No-Load Loss	<45W@Rate Voltage
Max Output Current	27A
THD	<5%
AC Input	
Number Of MPPT Trackers	2
Max PV Input power	4500W*2
Max PV Array Open Circuit Voltage	500Vac
Rated Input Voltage	350Vac
Max PV Input Current/ Per String	18.5A*2
Startup Voltage	120V
Startup Voltage	120Vac
MPPT Voltage Range	65~45Vac
Battery	
Nominal Voltage	51.2Vdc
Nominal Capacity	314Ah
Max Solar Charging Current	100A
Max AC Charging Current	80A
Max Charging Current (PV+AC)	100A
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	
Environment	
Humidity	5%~95% non-condensing
Altitude	<2000 Meters
Operating Temperature	-10℃~50℃
Storage Temperature	-15℃~60℃
Noise	<60db
Certificate CE, Compliant with	NRS097/EN50549-1/EN
50549-10 and other certification standards	