

Netzr

POWER
that lives with you.

Integrated energy. Intelligent performance.



www.netzrglobal.com

About US

United Group! A brand that offers 360 degrees of service to its stakeholders with technology, innovation, efficient human resources, global trends and smart solutions.

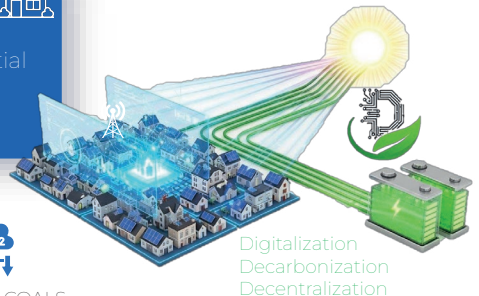
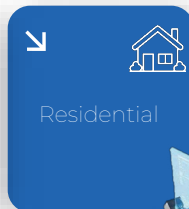
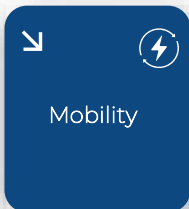
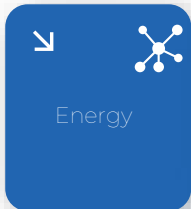
In 1974, United Group which started its journey of investments and business in the automotive sector now focuses its activities in the fields of;

integrated facility management, security-surveillance, professional cleaning, automotive, construction, event, education, technology and energy.



Who We Are ?

We are a technology company founded in 2021 to develop solutions aligned with Net Zero goals. We provide sustainable and high-efficiency battery solutions primarily for:



Why NETZR?

NETZR Home Power has been developed with Türkiye's domestic engineering strength, in compliance with international standards and energy infrastructure.



Compliance with National Standards: Software and hardware architecture fully compliant with Türkiye's electrical grid fluctuations and regulations.



Fast Service and On-Site Support: Unlike foreign-sourced systems, spare parts and technical service support are provided quickly through our nationwide network across Türkiye.



High Safety and LFP Technology: Local assembly and quality control standards are combined with LiFePO_4 (LFP) cells, the world's safest battery technology.



Data Security (Cyber Homeland): Your energy usage data is not transferred to overseas servers; with domestic software and local data centers, full control remains with you.



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Unique Benefits of NETZR Home Power?

Plug & Play installation in 1-2 hours

Thanks to the smart modular (stackable) design, no complex cabling between modules is required. The installer places the base unit, stacks the battery modules, connects the inverter - and the system is ready.

Maximum Safety (IP65 & LFP)

With an IP65 rating, the battery is resistant to dust and water.

LFP technology provides:

- * Higher thermal stability
- * Minimal risk of overheating
- * Longer service life
- * Better performance over many charge cycles



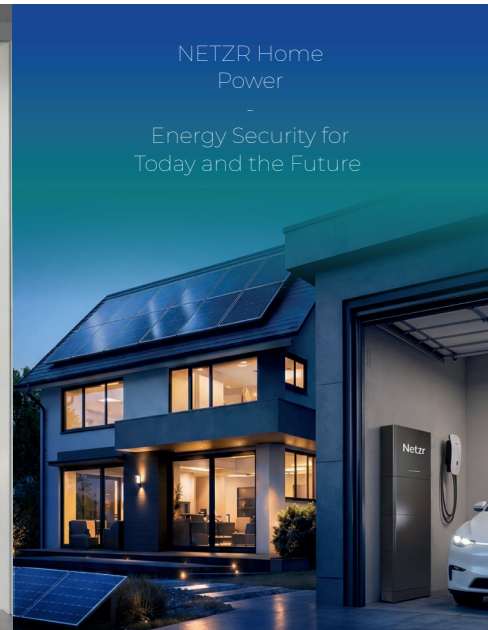
5 kWh: "Basic Needs (Lighting + Refrigerator + TV)"



10-15 kWh: "Comfortable Living (Air Conditioner + Dishwasher + Heat Pump)"



20+ kWh: "Full Energy Independence + Electric Vehicle Charging"

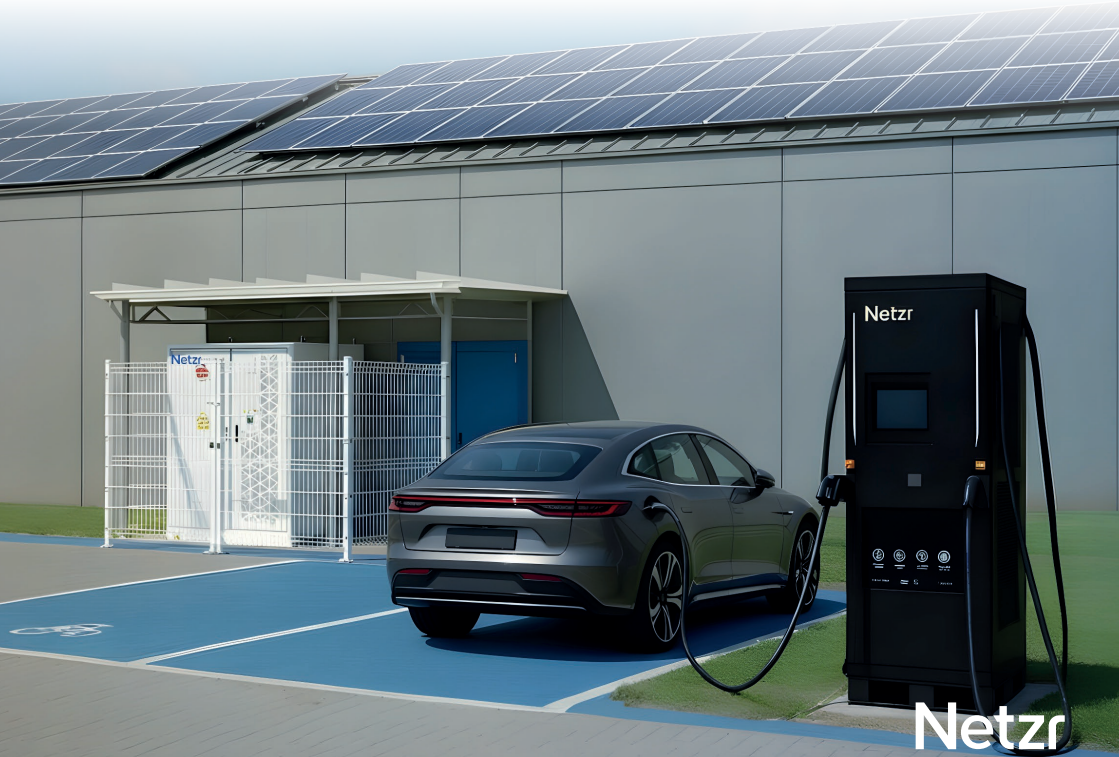
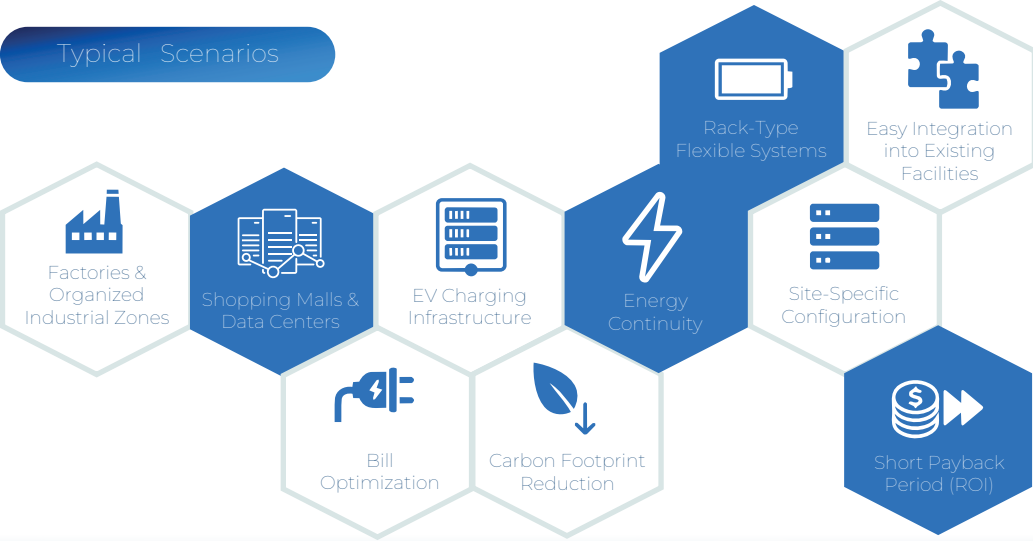


NETZR Home Power

Energy Security for Today and the Future

C&I - Use Case

We make energy costs manageable.



Capacity

Cell	kWh
Voltage	350Ah
	768V

Specifications

- ✓ ≥8000 cycles
- ✓ IP54 rating
- ✓ Liquid cooling
- ✓ RS485 / Ethernet / Modbus RTU & TCP / IEC104
- ✓ Fire protection: Aerosol + explosion-proof exhaust
- ✓ Quiet operation (≤75dB @1m)

Capacity

Cell	kWh
Voltage	222Ah
	716,8V

Use Case

- ✓ Energy Independence for Businesses
- ✓ Cut peak costs
- ✓ Maximize renewable use
- ✓ Ensure backup power
- ✓ Smart system integration
- ✓ Space-saving Blade Cell design



Standards & Certification

IEC62619,
IEC63056, IEC6073
0, UN 38.3,
IEC61000-6-2/4,
IEC62477-
1, IEC62933-5-
2, UN3480, CE



1.
Peak Shaving



2.
Energy Arbitrage



3.
Backup Power / UPS



4.
Solar + Storage
(PV + BESS)

- Supplying power from the battery during peak hours
- 20–40% savings potential on demand charges
- Charging during low-price hours
- Discharging during high-price hours
- Uninterrupted power for critical loads
- Hybrid structure supported by generator/UPS
- Using energy generated during the day in the evening
- Maximizing self consumption rate

Drivers of Growth



- Electrification in industry
- Electricity price volatility
- Carbon regulations
- Solar + storage investments

C&I is a market growing as fast as Utility, but with a shorter decision-making cycle.

Utility Scale BESS

Always-on connectivity even at remote sites and harsh climates.

Overview of Netzer Energy Solutions

We don't sell cells, we sell systems.

- Container BESS (AC & DC coupled)
- Rack-based systems (C&I)
- EMS & PCS integration
- Local engineering + system integration



3.461 MWh – 0.5P

- Chemistry: LFP 325 Ah
- Topology: 1P104S → 1P416S (4×Pack) → 8×1P416S
- V_{nom} 1331.2 V, V_{range} 1164.8–1476.8 V
- P_{nom} 1,725 kW
- Enclosure: IP55, -30~+55°C
- Container: 20 ft HQ 6058×2438×3100, 34 t

5.160 MWh – 0.5P

- Chemistry: LFP 350 Ah
- Topology: 1P128S → 1P384S (3×Pack) → 12×1P384S
- V_{nom} 1228.8 V, V_{range} 1075.2–1382.4 V
- P_{nom} 2,580 kW
- Enclosure: IP55, -30~+55°C
- Container: 20 ft HQ, 43 t

Components

- ✓ Battery racks & packs
- ✓ BMS (rack & system level)
- ✓ PCS
- ✓ EMS
- ✓ Transformer & switchgear
- ✓ Modular container design
- ✓ Fast installation & commissioning
- ✓ EPC-compatible structure
- ✓ Local manufacturing advantage



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