



ENERGIZE Advanced UPS Solutions

We energize the future



www.energize.rs

We energize the future

About ENERGIZE

ENERGIZE is a company that is a pioneer and leader in the field of building turnkey solar photovoltaic power plants in Serbia.

Since our founding in 2012, we have achieved:

- **90+ MWp** of installed photovoltaic power plants
- **40+ MWh** of storage solutions
- **250,000+** photovoltaic modules
- **1,500+** inverter units
- **60,000+** battery blocks
- **500,000+** low-voltage equipment units
- **300+** production process protection systems
- **200+** solar LED lighting locations
- **150+** functional facilities

We treat every investment as our own, evaluating each project using the Total Cost of Ownership (TCO) principle as a mandatory part of the assessment, with an operational horizon of 30+ years.

We provide our clients with the highest quality equipment and services, specialized engineering expertise, and the best warranty coverage available on the market.



Contents

Energize offers high-performance modular UPS systems designed to deliver reliable, scalable, and cost-efficient power protection. Built to support critical infrastructure, these solutions ensure continuous operation and data security across IT systems, industrial applications, and data centers.

The CMS series (30–900 kVA) provides a flexible and modular architecture, enabling easy scalability, simplified maintenance, and optimized performance. With advanced reliability and efficiency, it represents an ideal solution for protecting sensitive equipment and ensuring uninterrupted power supply in demanding environments.

Advanced UPS Solutions

30-120kw Modular UPS Systems With 15kw Power Module

150-250kw UPS Modular Systems With 25kw Power Module

200-500kw Modular UPS Systems With 50kw Power Module

450-900kw Modular UPS Systems With 75kw Power Module

12-36kva Rack-Mount UPS With 6kva Power Module

Advanced UPS Solutions Advantages

Energize UPS Advanced Solutions represent a new generation of reliable, scalable, and high-performance power protection systems, designed to ensure uninterrupted operation across a wide range of applications. Based on modular architecture, our UPS Solutions offer exceptional flexibility, enabling systems to adapt and grow alongside your business, from small it infrastructures to large-scale industrial facilities and data centers.

With a wide range of power modules, flexible system configurations, and integration with advanced lithium battery solutions, Energize delivers efficient, sustainable, and cost-effective power management. Engineered for high availability and seamless redundancy, our UPS Systems provide maximum reliability and business continuity, giving our partners a secure and future-ready energy foundation.



Superior Reliability

Modular UPS power module has multi-level decentralized control technology;
Flexible redundancy : N+1,N+X, 2N
Physical isolation of cold and hot air ducts;
Support lithium ion ups battery access.



Excellent Energy Saving

96.5% efficiency at online double conversion mode;
99% efficiency at IECO mode;
Output PF 1, high load capacity;
Module sleep function ensures the modular UPS system always works in the best efficiency state.



High Availability

Generator Compatible;
UPS modular type, standardized design;
The modular UPS systems are compatible with solar battery solutions;
Pay as grow, reduce the total cost of ownership (TCO)
Hot swap, quick repair and expansion;
small footprint, high power density.

Advanced UPS Solutions

30-120kw Modular UPS Systems with 15kw Power Module

Product Advantages



CMS-120/15

Max. power: 120kW
Power module: 15kW
442*800*1195(W*D*H)mm



CMS-60/15

Max. power: 60kW
Power module: 15kW
442*800*840(W*D*H)mm



CMS-30/15

Max. power: 30kW
Power module: 15kW
442*800*662(W*D*H)mm

www.energize.rs



Model Selection

Model / Capacity

CMS-30/15(30kVA); CMS-60/15(60kVA); CMS-120/15(120 KVA);



Power Module	Model/Capacity	CM15 ; 15kVA/15kW
Mains Input	Input Mode	3Ph+N+PE
	Rated Input Voltage	380V/220V AC、 400V/230V AC、 415V/240V AC
	Input Frequency	50Hz±10%、 60Hz±10%
	Input PF	≥ 0.99
DC Input	Rated Input Voltage	±240V DC
	Input Voltage Range	±160V~±330V
AC Output	Output PF	1
	Output Voltage	380V/220V AC、 400V/230V AC、 415V/240V AC
	Overload	Operate 10mins With 125% Load
	Efficiency	≥96%
	Communication Function	Modbus、 SNMP、 Dry Contact

Advanced UPS Solutions

150-250kw UPS Modular Systems with 25kw Power Module

Product Advantages



CMS-150/25

Max. power: 150kW
Power module: 25kW
600*1000*1600(W*D*H)mm



CMS-250/25

Max. power: 250kW
Power module: 25kW
600*1000*2000(W*D*H)mm



Model Selection

Model / Capacity

CMS-150/25(150KVA); CMS-250/25(250KVA)



Power Module	Model/Capacity	CM25 ; 25kVA/25kW
Mains Input	Input Mode	3Ph+N+PE
	Rated Input Voltage	380V/220V AC、400V/230V AC、415V/240V AC
	Input Frequency	50Hz±10%、60Hz±10%
	Input PF	≥ 0.99
DC Input	Rated Input Voltage	±240V DC
	Input Voltage Range	±168V~±320V
AC Output	Output PF	1
	Output Voltage	380V/220V AC、400V/230V AC、415V/240V AC
	Overload	Operate 10mins With 125% Load
	Efficiency	≥96%
	Communication Function	Modbus、SNMP、Dry Contact

Advanced UPS Solutions

200-500kw Modular UPS Systems with 50kw Power Module

Product Advantages



CMS-200(300)/50

Max. power: 200(300)kW
Power module: 50kW
800*850*2000(W*D*H)mm



CMS-400/50

Max. power: 400kW
Power module: 50kW
1400*850*2000(W*D*H)mm



CMS-500/50

Max. power: 500kW
Power module: 50kW
1400*850*2000(W*D*H)mm

www.energize.rs



Model Selection

Model / Capacity

CMS-200/50(200KVA); CMS-300/50(300KVA); CMS-400/50(400KVA); CMS-500/50(500KVA);



Power Module	Model/Capacity	CM50 ; 50kVA/50kW
Mains Input	Input Mode	3Ph+N+PE
	Rated Input Voltage	380/400/415 Vac, 3P4W (+PE) TN/TT Power Distribution System
	Input Frequency	50/60 Hz (Range: 40 – 70 Hz)
	Input PF	≥ 0.99
DC Input	Rated Input Voltage	±240V DC
	Input Voltage Range	±160V~±330V
AC Output	Output PF	1
	Output Voltage	380/400/415 Vac, 3P4W (+PE) (Share N With Bypass)
	Overload	Operate 10mins With 125% Load
	Efficiency	≥96%
	Communication Function	Modbus、SNMP、Dry Contact

Advanced UPS Solutions

450-900kw Modular UPS Systems with 75kw Power Module

Product Advantages



CMS-450/75

Max. power: 450kW
Power module: 75kW
800*1000*2000(W*D*H)mm



CMS-600/75

Max. power: 600kW
Power module: 75kW
1200*1000*2000(W*D*H)mm



CMS-900/75

Max. power: 900kW
Power module: 75kW
1800*1000*2000(W*D*H)mm

www.energize.rs



Model Selection

Model / Capacity

CMS-450/75(450KVA); CMS-600/75(600KVA); CMS-900/75(900KVA);



Power Module	Model/Capacity	CM75 ; 75kVA/75kW
Mains Input	Input Mode	3Ph+N+PE
	Rated Input Voltage	380/400/415 Vac, 3P4W (+PE) TN/TT Power Distribution System
	Input Frequency	50/60 Hz (Range: 40 – 70 Hz)
	Input PF	≥ 0.99
DC Input	Rated Input Voltage	±240V DC
	Input Voltage Range	±160V~±330V
AC Output	Output PF	1
	Output Voltage	380/400/415 Vac, 3P4W (+PE) (Share N With Bypass)
	Overload	Operate 10mins With 125% Load
	Efficiency	≥96%
	Communication Function	Modbus、SNMP、 Dry Contact

Advanced UPS Solutions

12-36kva Rack-mount UPS with 6KVA Power Module

Product Advantages



ERMS-36

Max. power: 36KVA
Power module: 6KVA
480*600*310mm(W*D*H)mm



ERMS-24

Max. power: 24KVA
Power module: 6KVA
480*600*220mm(W*D*H)mm



ERMS-12

Max. power: 12KVA
Power module: 6KVA
480*600*132mm(W*D*H)mm

www.energize.rs



Model Selection

Advanced UPS Solutions

Model / Capacity

ERMS-12(12kVA); ERMS-24(24kVA); | ERMS-36(36kVA)



Power Module	Model/Capacity	ERM-06(6kVA/6kW)
Mains Input	Input Mode	1Ph+N+PE
	Rated Input Voltage	220V/230V/240V
	Input Frequency	50Hz±10%、60Hz±10%
	Input PF	≥0.99
DC Input	Rated Input Voltage	±120V DC、±240V DC
AC Output	Input Voltage Range	0.9
	Output PF	220V/230V/240V
	Output Voltage	220V/230V/240V、380V/400V/415V
	Overload	Operate 10mins With 125% Load
	Efficiency	≥94%
		Modbus、SNMP、Dry Contact

Lithium-Ion UPS VS. Lead Acid

Energize modular UPS manufacturer supports lithium-ion batteries, which is also a kind of UPS modular type with li-ion battery. Compared with lead-acid battery, UPS li-ion battery has advantages as follows.

- (1) Lithium iron phosphate battery UPS takes much less footprint than lead-acid battery
- (2) Lithium battery is much more compact in power capacity and light weight while lead-acid battery is heavier and requires more cost and time for maintenance
- (3) Lithium modular uninterruptible power supply has higher temperature tolerance: 0°C~45°C for charging, -20°C~60°C for discharging, -40°C ~60°C for storage
- (4) Modular type UPS system has more cycle times and service life: 3000 times, 10 years
- (5) The modular lithium battery is environmentally-friendly: not contain polluting metals such as cadmium, lead, mercury
- (6) Lithium battery is equipped with three level BMS design of module, cabinet and system, multiple state monitoring, hierarchical linkage, comprehensive guarantee of battery system safety

Lithium-Ion UPS Batteries Features

Although lithium-ion battery UPS is expensive than lead-acid battery, now it's getting more and more popular after people getting to know better about lithium-ion battery UPS. UPS Li-Battery offers longer cycle life last 10 years, and high C Rate for charging and discharging than lead-acid battery.

Energize high C rate Lithium battery, discharging could up to 6C, high energy lithium battery, capacity up to 280AH.

We use LFP cell for battery modules, modules in series connection form battery cluster. each modular lithium battery is also equipped with bms (battery management system).

Three level BMS design of module, cabinet and system, multiple state monitoring, hierarchical linkage, comprehensive guarantee of battery system safety.

We provide any configuration for back up requirements, Energize-produced modular UPS and lithium battery perfectly work together to guard your equipment.

ENERGIZE UPS Solution



Energize d.o.o.
Bulevar vojvode Mišića 37 | 11040 Belgrade

tel: 011 4055 264
prodaja@energize.rs

www.energize.rs

Energize all rights reserved.
If the models and specification in this product catalogue is changed due to the change of products, we will not inform.