

iPEK ELEKTRONİK

2026

**RENEWABLE
FUEL-FREE
GENERATOR**



Renewable Energy

FUEL-FREE GENERATOR

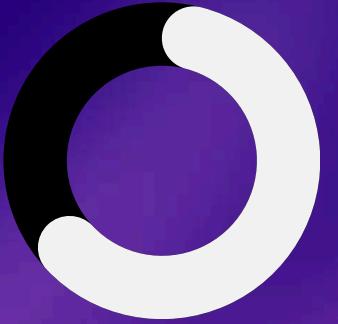
It is an infinite energy system capable of operating independently, producing energy on its own without any external input, beyond conventional technologies known in the energy generation sector. The system sustains its continuous operation by utilizing 30% of the energy it generates internally.

RENEWABLE ENERGY



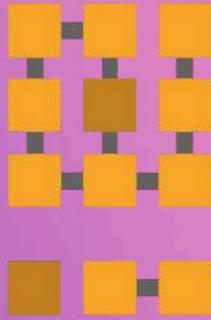
This type of device has been developed over approximately four years of intensive research, development, experimentation, and testing. By testing a wide range of materials and components, repeatedly building and disassembling multiple prototypes, and refining the system through each iteration, we successfully achieved the final result, advancing one step further at every stage.

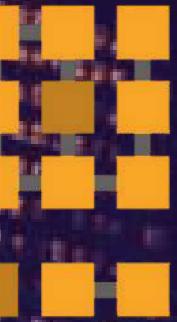
Although this system may initially appear to contradict the laws of physics, it has been developed by leveraging the many capabilities and opportunities offered by modern technology. While such systems are not yet available in the market, they are expected to become operational and widely adopted in the near future. Currently, numerous companies, organizations, and individuals are actively conducting research and development efforts in this field.



PRINCIPLE OF OPERATION

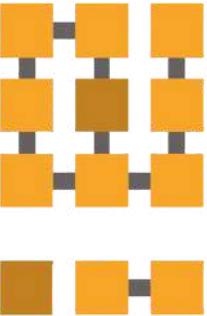
- The system initially draws power from the batteries to activate the drive motors, providing the initial start-up motion for the system.
- Once the system begins generating energy, the batteries are disengaged, and the system continues to operate autonomously using the energy it produces itself.
- Because the batteries remain engaged for only 30–40 seconds, their operational lifespan is significantly extended. Through the inverters integrated within the device, the batteries are recharged and maintained in a ready state for the next operating cycle.
- The system utilizes 30% of the energy it generates internally, while the remaining 70% is delivered to external output.
- **For example**, a 250 kW unit generates approximately 370 kW of power. By consuming around 110 kW internally, it delivers a net output of 250 kW to external systems.
- The system is designed for continuous, uninterrupted operation, running 24 hours a day and continuing indefinitely unless it is manually shut down.





- The alternator features copper windings with a special winding design optimized for renewable energy systems. It is neither magnetic (permanent magnet) nor brush-based, allowing it to operate efficiently at standard ambient temperatures without excessive heat generation.
- With the software program and control system we have developed, the device has become a self-monitoring and user-friendly system.



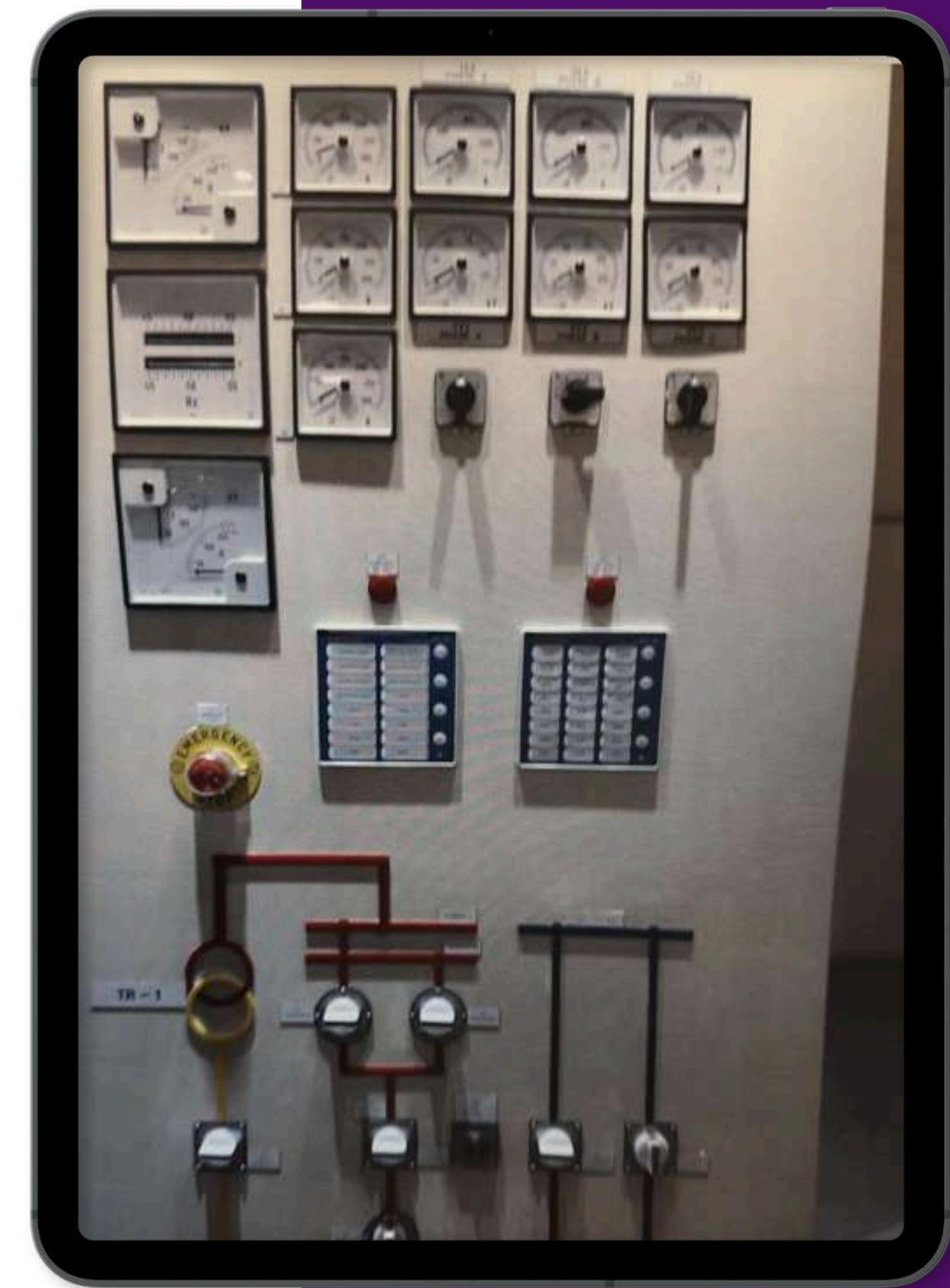


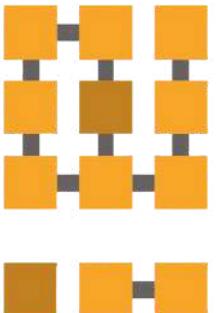
RENEWABLE ENERGY

POWER & CAPACITY

50kW	50Hz	220 – 400 Voltage
70kW	50Hz	400 Voltage
100kW	50Hz	400 Voltage
150kW	50Hz	400 Voltage
200kW	50Hz	400 Voltage
250kW	50Hz	400 Voltage
500kW	50Hz	400 Voltage
750kW	50Hz	400 Voltage
1000kW	50Hz	400 Voltage
1500kW	50Hz	400 Voltage
2000kW	50Hz	400 Voltage
5000kW	50Hz	400 Voltage

Production at these power and capacity levels is feasible.





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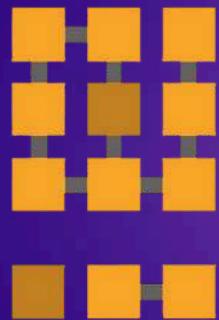
COMPARISON

Verage Operational Efficiency Comparison under
Turkish Conditions

ALTERNATIVE ENERGY	ANNUAL OPERATING HOURS	EFFICIENCY
SOLAR ENERGY	1800 hour	%20
WIND ENERGY	2000-2500 hour	%30-35
RENEWABLE ENERGY	8000 hour	%99

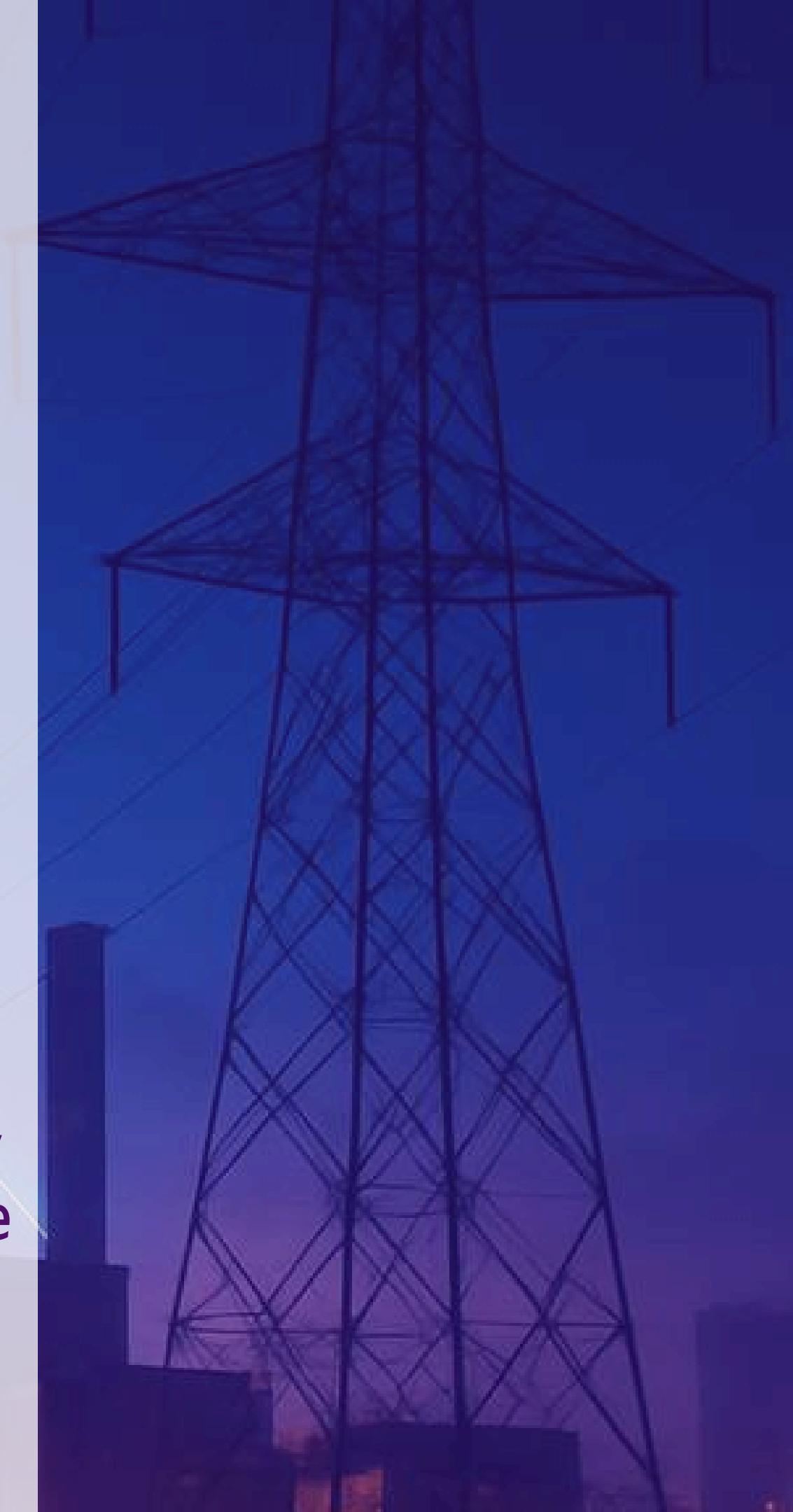
FAULTS & MAINTENANCE

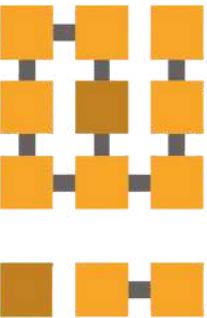
- A significant portion of our R&D efforts has been focused on fault prevention and maintenance optimization.
- Our objective is zero defects, minimal failures, and maximum operational performance.
- Our development efforts have focused on delivering a product capable of continuous, reliable operation with minimal maintenance requirements, designed to function smoothly without failures beyond scheduled annual periodic maintenance, and with the lowest possible maintenance costs.
- The annual maintenance cost of the device we have developed is as low as the fuel cost of operating a diesel generator for just 2–3 hours.





- The device we have developed is covered by a 5-year warranty. Service and maintenance are provided free of charge for the first 2 years; services beyond this period are subject to a fee.
- With proper and regular maintenance, the system is designed for a service life of 25–30 years.





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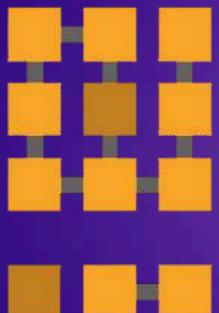
INVESTMENT & DEPRECIATION

Investment Comparison for 1 MW Power Capacity

ENERGY TYPE	INVESTMENT COST	DEPRECIATION
SOLAR ENERGY	1.250.000 €	7-8 YIL
WIND ENERGY	1.300.000 €	7-8 YIL
RENEWABLE ENERGY	1.000.000 €	3 YIL

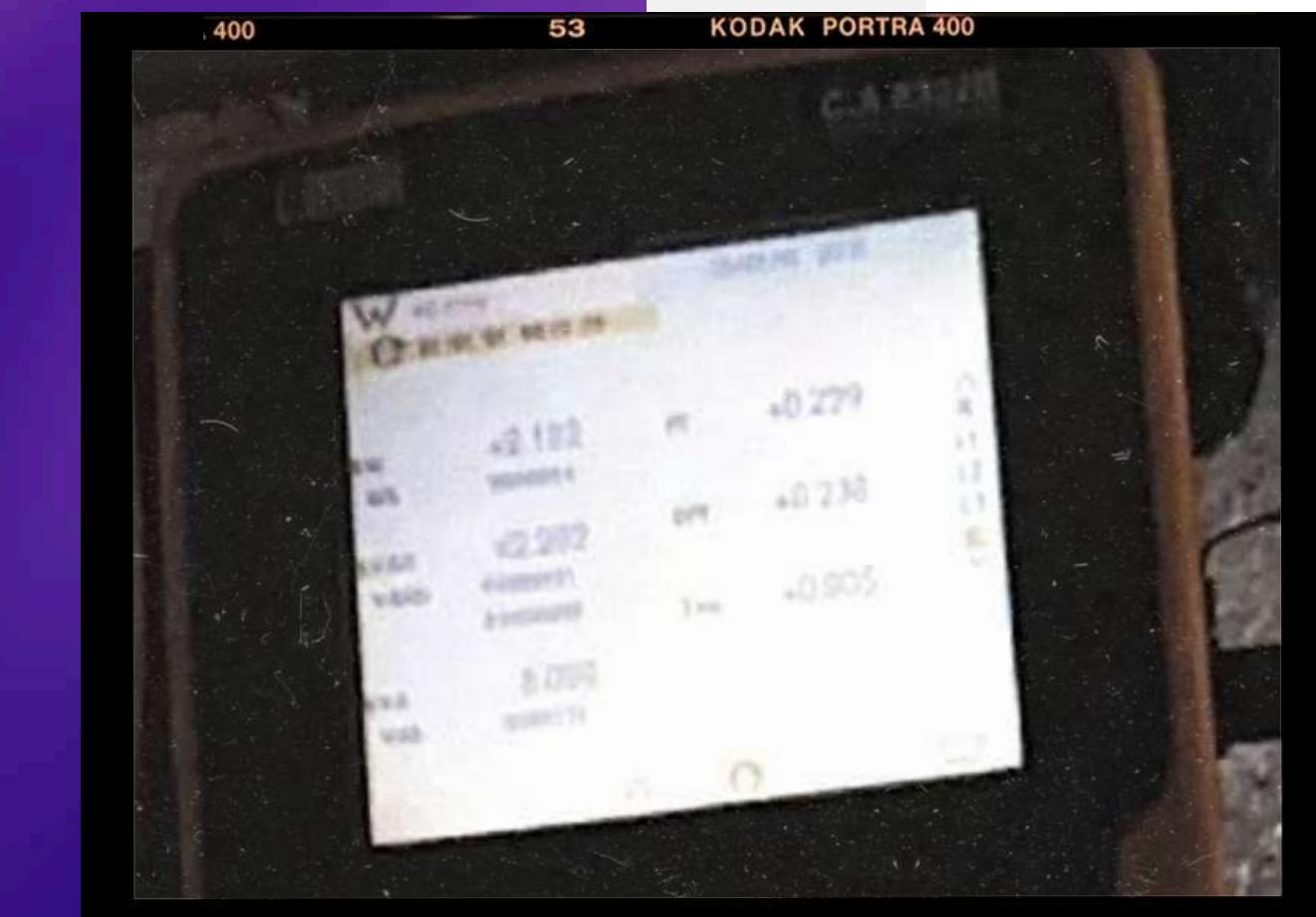
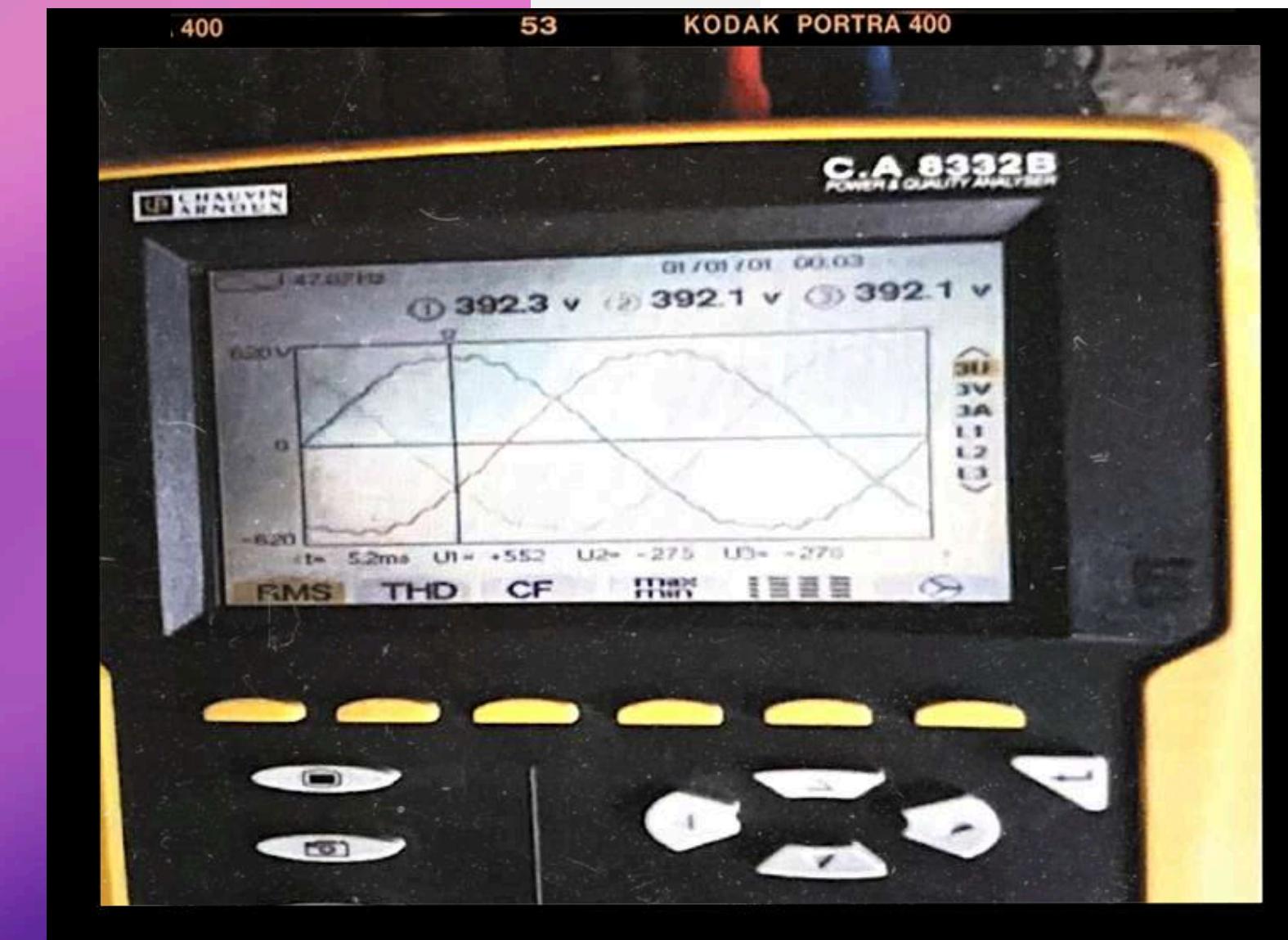
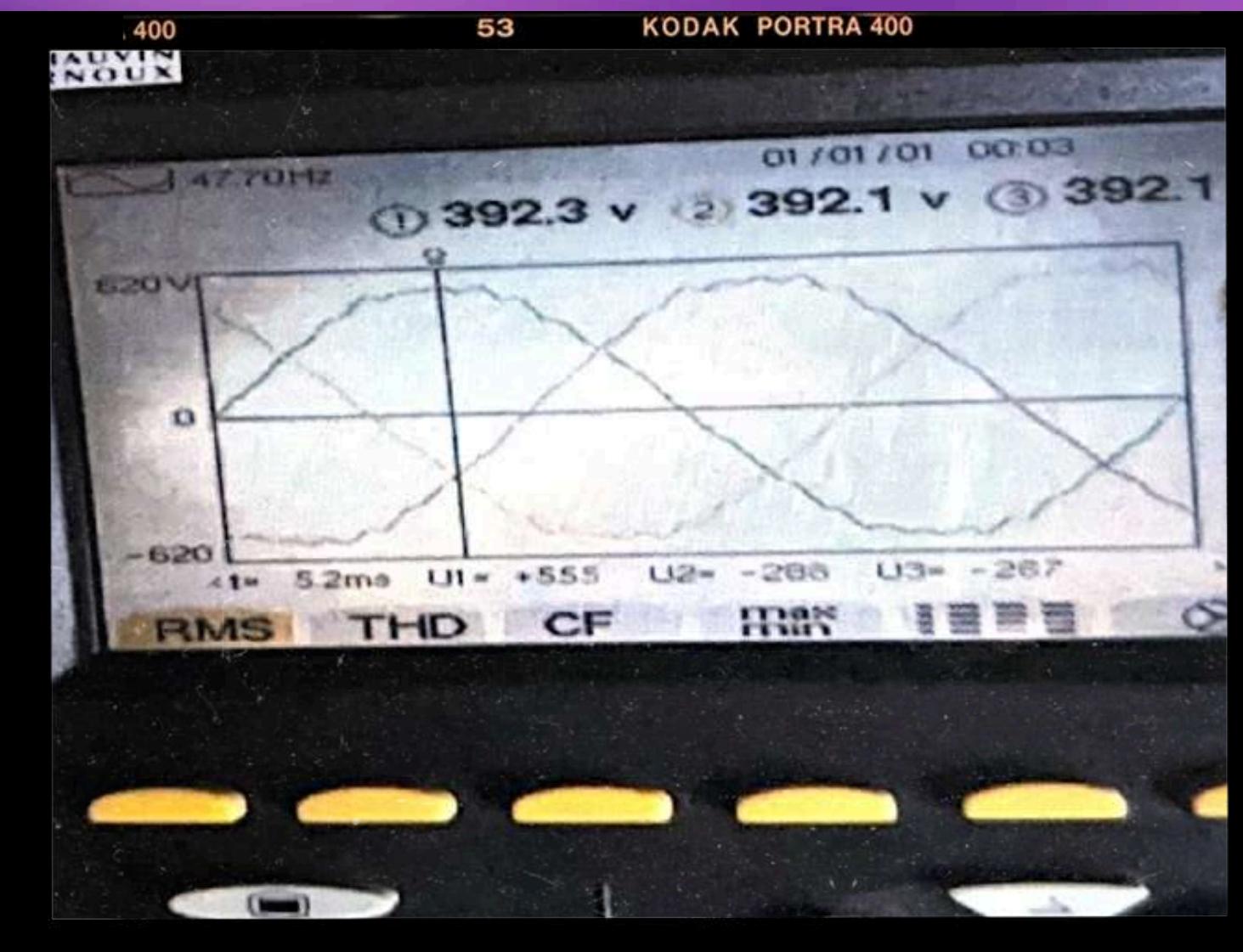
A 1 MW diesel generator consumes approximately 336 liters of fuel per hour at full load.
Its annual operating cost amounts to 16,482,800.₺

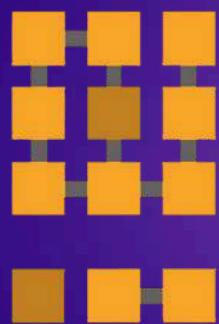




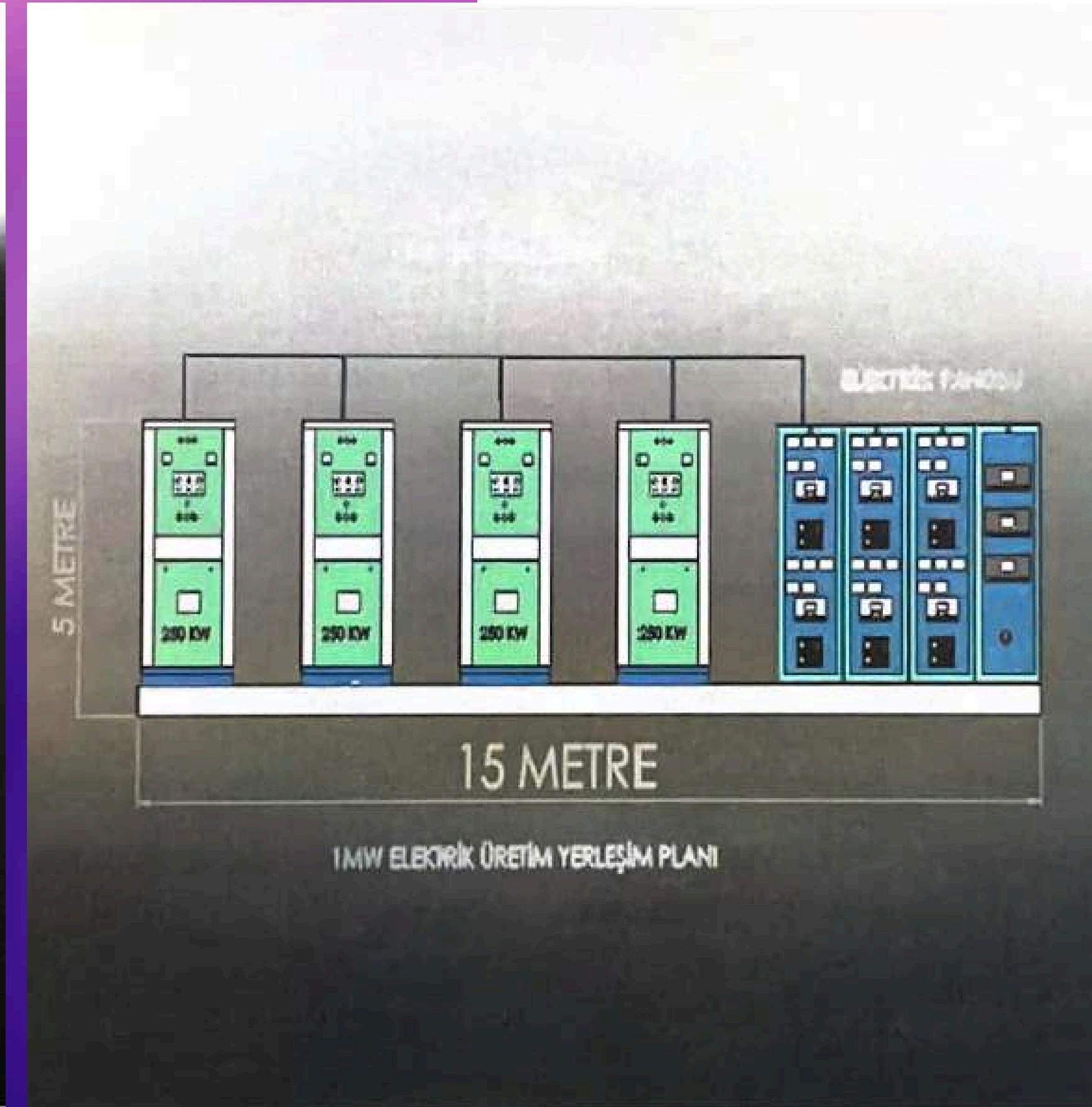
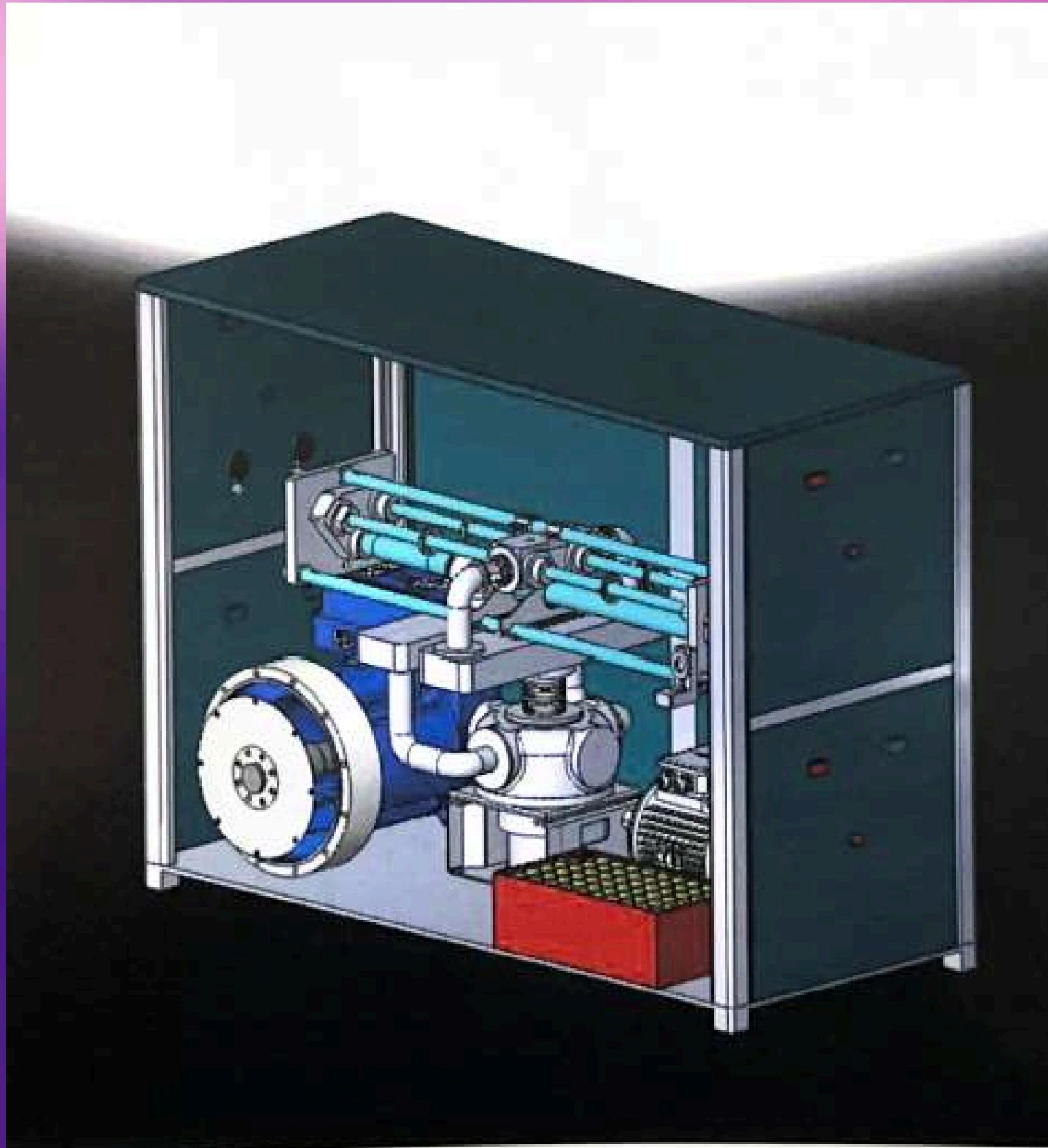
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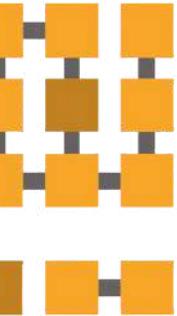
MEASUREMENTS & VALUES





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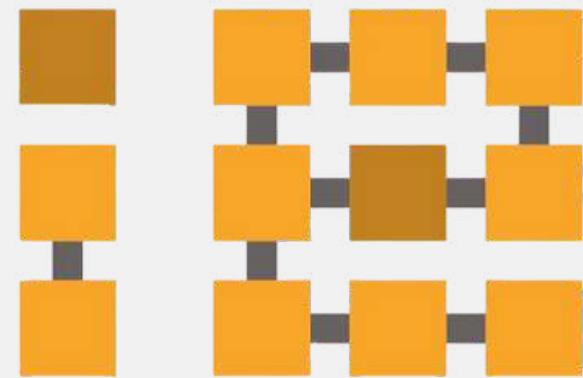
Technical Specifications	
Maximum Output Power	270 Kw
Sürekli Çıkış Gücü	250 Kw
Continuous Output Power	280 Hp
Output Voltage	12x 8.3 A
Power Factor	08.C05
Frequency	50Hz/230V-400V
Speed (RPM)	500
Noise Level (dB)	60 db (A) 7m



Technical Specifications	
Maximum Output Power	120 Kw
Sürekli Çıkış Gücü	100 Kw
Continuous Output Power	113 Hp
Output Voltage	12x 8.3 A
Power Factor	08.C05
Frequency	50Hz/230V-400V
Speed (RPM)	500
Noise Level (dB)	55 db (A) 7m

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