



Kiopedo Karlotchy

– Construction Technologies

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KIOPEDO KARLOTCHY

CONSTRUCTION TECHNOLOGY

SG10CE

No More Pollution. No More Noise. Just Clean Energy.



SG10CE

Silent Generator – CE Certified

✓ Technical Specifications

★ Electrical Specifications

- Power Range: 5 kW – 5 MW +
- Voltage: 230V ~ 380V ~ 50Hz
- Dual AC Output
- Energy Source: **Intelligent Hybrid Power System (No Fuel Required)**

* Operational Features

- Automatic Voltage Regulator (AVR)
- Long-Running Diesel Engine
- 24 hours a day – 7 days a week – 365 days a year nonstop operation

📦 Body & Structure

- Industrial Black Steel
- Heavy Duty Wheels
- Soundproof Multi-Layer Insulation
- Easy Control Panel

✓ Dimensions | L: 92 cm | W: 55 cm | H: 78 cm
Weight: 110 – 130 kg

Powering Your Success, Every Step of the Way



**KIOPEDO
KARLOTCHY**
TECHNOLOGY



KIOPEDO KARLOTCHY

CONSTRUCTION TECHNOLOGY

Full Production Line

From **5 kW** to **5 MW**

Scalable Power for Every Industry.

5 kW



50 kW



500 kW



5 MW+



Small Range

Home & Light Industrial

- 5 kW
- 10 kW
- 20 kW
- 30 kW
- 50 kW

Medium Range

Workshops & Commercial

- 75 kW
- 100 kW
- 150 kW
- 200 kW
- 300 kW

Heavy Industrial Range

Large Scale Applications

- 500 kW
- 750 kW
- 1 MW
- 2 MW
- 3 MW
- 5 MW

■ **Custom Capacities**

Beyond 5 MW Modular Multi-Megawatt Solutions

Power Solutions Tailored to Your Needs



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Kiopedo Karlotchy

POWER TECHNOLOGY

Innovative Energy Solutions for Every Industry



Mobile Power Units

Flexible & Scalable Systems



Industrial Energy Solutions

Reliable Power for Heavy
Duty Applications.



Emergency Backup Power

Rapid Response
When You Need It



Oil & Gas



Manufacturing



Data Centers



Hospitals

Cutting-Edge Technology | Superior Performance | Proven Reliability

Powering Your Success, Every Step of the Way



KIOPEDO KARLOTCHY

CONSTRUCTION TECHNOLOGY

Power Comparison Table

Compare. Select. Deploy.

Capacity	Voltage	Noise Level	Dimensions (cm)	Weight (kg)	Typical Use
5 kW	230 V	≤ 60 dB	70 × 45 × 60	85	Home / Light Tools
10 kW	230 V	≤ 62 dB	80 × 50 × 65	95	Small Workshop
20 kW	230 V	≤ 63 dB	90 × 55 × 70	110	Medium Workshop
50 kW	400 V	≤ 65 dB	120 × 65 × 85	150	Commercial / Farm
100 kW	400 V	≤ 68 dB	150 × 80 × 95	220	Factory / Heavy Tools
500 kW	400 V	≤ 70 dB	200 × 100 × 120	480	Industrial Plant
1 MW	400 V	≤ 72 dB	250 × 120 × 140	750	Large Facility
5 MW	400 V	≤ 75 dB	400 × 180 × 200	1500	Power Station

Key Highlights

- ▶ Super Silent Operation
- ▶ Digital Control System & Safety Shutdown
- ▶ CE Certified & Custom Configurations

Compare. Select. Deploy.

DIESEL FUEL CONSUMPTION — ANNUAL COST IMPACT

1100 kVA DIESEL GENERATOR ≈ 850 kW

- **161 L / HOUR**
- **3,864 L / DAY**
- **1,410,360 L / YEAR**

Fuel Cost: 14M – 21M EGP / YEAR
(Fuel Only)

PLUS: MAINTENANCE
• REPAIRS
• BREAKDOWNS

BURNING MONEY
VS.
SAVING MONEY

KIOPEDO KARLOTCHY FUEL-FREE GENERATOR

- **0 L / HOUR**
- **0 L / DAY**
- **0 L / YEAR**

ZERO COST • ZERO MAINTENANCE
ZERO EMISSIONS



Every hour you run a diesel generator...
YOU LOSE MONEY.

Every hour you run Kiopedo Karlolchy...
YOU SAVE MONEY.



**KIOPEDO
KARLOTCHY**



KIOPEDO KARLOTCHY

CONSTRUCTION TECHNOLOGY

*Why Choose **Kiopedo Karlotchy***

Engineering the Future of Clean Energy



Super Silent Technology

Ultra Quiet Operation < 65 dB



Clean Energy Systems

Eco-Friendly & Low Emissions



Wide Production Range

5 KW – 5 MW

Scalable Solutions for Every Need



Industrial-Grade

Build Quality

Rugged & Reliable Construction



Advanced Control Systems

Smart Controls & Safety Features



CE Certified

Compliant with European Standards



Custom Configurations

Modular Multi-Megawatt Options



After-Sales Support

Service, Spare Parts & Warranty

Engineering the Future of Clean Energy



الأكاديمية البحثية والتكنولوجيا



جمهورية مصر العربية
وزارة الدولة لشئون البحث العلمي

Patent Certificate

Patent No. 45551

Fuel-Free Electricity Generator

This is to certify that the patent has been granted to:

Kiopedo Karlorchy

For the invention titled:

Fuel-Free Electricity Generators

Inventor: *Ahmed Effat Mohamed Abdel Raouf*

President of ASRT

Date of Grant: August 20, 2021

Head of Egyptian Patent Office.



Adel J. Beltagy
Prof. Adel El-Beltagy

Patent Duration: 15 Years from Grant Date
(Valid Until August 20, 2036)



Nadia Ibrahim Abdelhaleem



الأكاديمية البحثية والتكنولوجيا



جمهورية مصر العربية
وزارة الدولة لشئون البحث العلمي

براءة اختراع رقم ٤٥٥٥١

بعد الاطلاع على المادة 19 من قانون حماية الملكية الفكرية الصادر بالقانون رقم 82 لسنة 2003 وعلى قرار رئيس الجمهورية رقم 377 لسنة 1998 بإعادة

تنظيم لأكاديمية البحث العلمي والتكنولوجيا وعلى طلب البراءة المقدم تحت رقم 344130-943/2020 بتاريخ 1/7/2020 والمستندات الملحقة قرر

مادة 1: منح براءة اختراع تحت رقم 45551

الى : شركة كيوبيدو كارلورشي لتكنولوجيا البناء

عن اختراع تحت مسمى : مولدات كهرباء تعمل بدون الوقود الأحفوري

إسم المخترع : دكتور أحمد علي محمد عبد الرؤوف

مادة 2: صدر هذا القرار في القاهرة بتاريخ 20/8/2023

مادة 3: على الجهة المختصة نشره في جريدة براءات الاختراع

العالم بأعمال رئيس

الأكاديمية البحثية والتكنولوجيا
د. م. مهنين محمود شكرى

رئيس

مكتب براءات الاختراع

د. نادية إبراهيم عبد الله