

# Emergency Power Solutions.

YOUR PROTECTION AGAINST POWER BLACKOUTS



**GEKO**

MADE IN GERMANY

**There are many causes for power outages even in the most stable power networks**

- Natural disasters
- Heavy snowfall
- Overload of the network in peak hours / season-related
- Improper load balancing of the power network
- Short circuits of overland lines

**The consequences can be severe**

- Cooling / temperature control fails for food, pets or sensitive goods and products
- Lighting and communication failure
- Security system / Smart home not functioning
- Expensive downtime for the business

**GEKO offers a range of solutions from an economic manual emergency back up to a fully integrated, logic-controlled commercial solution for small and large businesses.**

**Features include:**

- Professional consultation for the right solution
- Manual or automated back up activation
- Portable / stationary solutions
- Fully weatherproof solutions for outside installation
- Status and diagnostic messaging via SMS
- Programmable interface for sophisticated applications



## 1 - Basic mobile power back up

### The economic and versatile home solution

- Portable power unit to use anywhere. Suitable for most power tools and appliances.
- Emergency power back up when connected to the power switch unit (MNU) via flexible cable.
- Maintains power for Wi-Fi / internet connection, lights, alarm system, refrigerators and other low energy consumers during power outage
- Manually operated power switch and generator start
- Runs on gasoline up to 11 hours without refueling



Alternator	Asynchronous
El. capacity: 3~ cos φ 1,0	6580 VA
El. capacity: 1~ cos φ 1,0	5500 VA
Voltage 3~	400 V
Voltage 1~	230 V
Current 3~	9,4 A
Current 1~ (CEE)	24 A
Current 1~ (Schuko)	16 A
Fuel type	Gasoline
Tank capacity	20 l
Operating time: full load / half load	6 / 11 h
Weight	107 kg
Dimensions L x W x H	740 x 500 x 530 mm
Noise power level L <sup>wa</sup>	97 dB(A)
Noise pressure (10m)	69 dB(A)

## 2 - Fully automatic power back up - small

### The 'worry-free' solution for your home

- Fixed installation for power back up in case of power outages
- Automatically switches on in case of power interruption and supplies up to 12.5 hours of power – switches off again when main power comes back on
- Maintains power for Wi-Fi / internet connection, smart-home functions (door locks, window shades, lights), alarm system and refrigerators and other low energy consumers during power outage
- Fully weather protected – no further cover needed
- Gasoline-powered



Alternator	Asynchronous
El. capacity: 3~ cos φ 1,0	6500 VA
El. capacity: 1~ cos φ 1,0	5520 VA
Voltage 3~	400 V
Voltage 1~	230 V
Current 3~	9,4 A
Current 1~ (CEE)	24 A
Current 1~ (Schuko)	16 A
Fuel type	Gasoline
Tank capacity	23 l
Operating time: full load / half load	7 / 12,5 h
Weight	162 kg
Dimensions L x W x H	820 x 565 x 643 mm
Noise power level L <sup>wa</sup>	93 dB(A)
Noise pressure (10m)	65 dB(A)

## 3 - Fully automatic power back up - medium

### Independent power supply solution for single family home / Power back up for multi family home or apartment building

- Fixed installation for power back up in case of power outages
- Automatically switches on in case of power interruption and supplies up to 6.4 hours of power – switches off again when main power comes back on
- Notifies owner about start/stop and maintenance info via SMS
- Maintains power for a full household including high power consumers such as dryers, A/C units, water heaters
- Maintains emergency back up for multi unit buildings for Wi-Fi / internet connection, lights, alarm system and refrigerators and other low energy consumers during power outage
- Fully weather protected – no further cover needed
- Gasoline powered



Alternator	Synchronous
El. capacity: 3~ cos φ 1,0	18000 VA
Voltage 3~	400 V
Voltage 1~	230 V
Current 3~	30 A
Fuel type	Gasoline
Engine power	22,8 kW
Tank capacity	22 l
Operating time: full load / half load	3,2 / 6,4 h
Weight	280 kg with battery
Dimensions L x W x H	1135 x 660 x 815 mm
Noise power level L <sup>wa</sup>	93 dB(A)
Noise pressure (10m)	73 dB(A)

## 4 - Fully automatic power back up - large

### The independent power supply solution for larger apartment buildings and the sophisticated home

- Fixed installation for power back up in case of power outages
- Automatically switches on in case of power interruption and switches off again when main power comes back on
- Notifies owner about start/stop and maintenance info via SMS
- Maintains full power supply for multiple households and commercial buildings including high power consumers such as dryers, A/C units, water heaters
- Fully weather protected – no further cover needed
- Diesel powered for efficient operations – maintains power up to 41 hours without refueling



Alternator	Synchronous
El. capacity: 3~ cos φ 0,8	60000 VA
Voltage 3~	400 V
Voltage 1~	230 V
Current 3~	87 A
Fuel type	Diesel
Tank capacity	350 l
Operating time: full load / half load	21 / 41 h
Weight	1430 kg
Dimensions L x W x H	2350 x 950 x 1500 mm
Noise power level L <sup>wa</sup>	89 dB(A)
Noise pressure (10m)	61 dB(A)

**5 - Fully automatic power back up - Commercial**

**The solution for professional applications including refrigeration, life stock, non-sensitive operation**




- Fixed installation for power back up in case of power outages
- Automatically switches on in case of power interruption and switches off again when main power comes back on
- Notifies owner about start/stop and maintenance info via SMS
- Maintains full power supply for large commercial applications\*
- Fully weather protected – no further cover needed
- Diesel powered for efficient operations – maintains power up to 26.5 hours without refueling

\*Some electronic devices and industrial processes require uninterrupted power supply which require specific consultation regarding sizing and implementation. Please contact one of our consultants.




Alternator	Synchronous
El. capacity: 3~ cos φ 0,8	100000 VA
Voltage 3~	400 V
Voltage 1~	230 V
Current 3~	143 A
Fuel type	Diesel
Tank capacity	450 l
Consumption: 100% load / 75% Load	23,8 / 17,8 l/h
Weight	2070 kg
Dimensions L x W x H	3000 x 1150 x 1615 mm
Noise power level L**	92 dB(A)
Noise pressure (10m)	64 dB(A)

**POWER GENERATING SYSTEMS**  
made in Germany

MNU	Manual Emergency Switch Over (MNU)	BLC	Emergency power Blackout Control BLC 100
	<p><b>The manual switch-over solution for the portable power device</b></p> <ul style="list-style-type: none"> <li>• Connected to the main power feed of the house</li> <li>• Genset is connected via cable and plug to the manual switch-over when needed.</li> <li>• Portable generator also offers the possibility to connect devices directly</li> <li>• Easy installation and cost effective</li> </ul>		<p><b>The automated power back up</b></p> <ul style="list-style-type: none"> <li>• The control unit for stationary installations</li> <li>• Automatically detects power outage and restore and switches on and off accordingly</li> <li>• Intuitive user interface with many convenience functions that is installed at the main power feed in the building</li> </ul> 



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NS 10	Island control NS 10
	<p><b>Programmable control interface</b></p> <ul style="list-style-type: none"> <li>• Programmable interface with many functions</li> <li>• Back-lit display to read under any lighting conditions</li> <li>• Intuitive usability</li> <li>• Fault protocol memory</li> <li>• Maintenance control and engine diagnostics</li> <li>• SMS notifications for the operator</li> </ul>

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