



EP10000E H/MA – EP12000TE-IP54 H/So  
EP12000TE-IP54 H/GTS– EP13500TE H/S  
EP12000E H/S – EP16000TE H/S  
EP14000E H/S – EP18000TE H/S

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ORIGINAL INSTRUCTION MANUAL

Opsteller: MH  
Opsteldatum: 15/04/2020

Revisie:02  
Goedkeurder: GD

Revisor: BL  
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## **0. INTRODUCTION**

Please read this manual carefully before using the generating set. If you act as stated in this manual, your generating set will guarantee you a smooth functioning for years.

First read the engine and alternator manual. These manuals are supplied with each generating set and explain the use, the maintenance and the dangers in case of improper use.

If you have any questions concerning your generating set, please contact EUROPOWER Generators through [www.europowergenerators.com](http://www.europowergenerators.com).

All data in this manual are based on the standard versions of the EP10000E - EP12000TE-IP54 - EP13500TE with Honda GX630 engine, EP12000E - EP16000TE with Honda GX690 engine and EP14000E - EP18000TE with Honda iGX800 engine. Generating sets with options can have slightly different data. Contact your dealer for more information.

## **1. SAFETY INSTRUCTIONS**

- Read and understand the owner's manual before using the generator, opening it or working on it. This can prevent personal injury or equipment damage. When this manual is not 100% clear to you, please consult an authorised dealer.
- Place the generator on a levelled surface.  
When the generator is tilted, fuel spillage may result.  
Place the generator, when in use, at least 1m away from buildings or other equipments.  
Keep children and pets away from the generator when it is in operation.
- Gasoline is extremely flammable and explosive under certain conditions.  
Refuel only in a well-ventilated area with the engine stopped.  
Do not smoke or allow flames or sparks in the area where the engine is refuelled or where gasoline is stored.  
Wipe up spilled fuel at once.  
Avoid repeated or prolonged contact with skin or breathing of vapour.
- If you decide to use a gasoline containing alcohol (gasohol), be sure its octane rating is at least as high as that recommended by EUROPOWER. There are two types of 'gasohol': one containing ethanol, and the other containing methanol. Do not use gasohol that contains more than 10% ethanol.  
Do not use gasoline containing methanol (methyl or wood alcohol) that does not also contain cosolvents and corrosion inhibitors for methanol. Never use gasoline containing more than 5% methanol, even if it has cosolvents and corrosion inhibitors.
- Fuel system damage or engine performance problems resulting from the use of fuels that contain alcohol is not covered by the warranty. EUROPOWER cannot endorse the use of fuels containing methanol since evidence of their suitability is as yet incomplete.  
Before buying fuel from an unfamiliar station, try to find out if the fuel contains alcohol. If it does, confirm the type and percentage of alcohol used. If you notice any undesirable operating symptoms while using a gasoline that contains alcohol, or one that you think contains alcohol, switch to a gasoline of which you know that it does not contain alcohol.



- Use automotive gasoline with a pump octane number of 86 or higher, or a research octane number of 91 or higher. Unleaded gasoline is preferred to minimize combustion chamber deposits.
- It is allowed to use the generating set in the rain (according to EN60529-protection class IP23). This means that the generating set can support water in the form of rain till max. 60° in respect of the perpendicular line. Do not use the generating set in the snow. Only use it in spaces where there is no explosion hazard.
- The generator is a potential source of electrical shocks when misused. Do not operate the generator with wet hands.
- Connections for standby power to a building's electrical system must be made by a qualified electrician and must comply with all applicable laws and electrical codes.  
Never connect the generating set to the public mains or any other electrical power source! Improper connections can allow electrical current from the generator to back feed into the utility lines. Such back feed may electrocute utility company workers, and when utility power is restored, the generator may explode, burn or cause fires in the building's electrical system.
- The muffler becomes very hot during operation and remains hot for a while after stopping the engine.  
Be careful not to touch the muffler while it is still hot.  
Let the engine cool down before storing the generator indoors.  
To prevent scalding, pay attention to the warning marks attached to the generator.
- Keep in mind the maximum weight a person is allowed to carry if you move the generating set by hand.
- Make sure the generator operates in a well-ventilated room. In case of insufficient cooling and/or ventilation severe damage can occur. Exhaust gases also contain poisonous carbon monoxide.
- Never use the generator when the cover plates are removed from the engine or alternator.
- Do not wear loose clothes near the generator.
- Let maintenance be carried out by trained technicians only. For example, according to art. 233 of the Belgian AREI - General Regulation on Electrical Installations - this means that maintenance can only be carried out by "warned persons" (code BA4) or "authorised persons" (code BA5).  
If local rules differ, the most rigid of both rules should be followed.
- Never work on the generator while it is still running.
- Never connect appliances that need more power than the generator can provide. This could seriously damage the generator.
- Be very careful while using a welder on any type of generator. Welders might damage the alternator. Always consult a EUROPOWER specialist first to make sure that the power of the generating set matches the requested power of the welder.
- If the appliance you want to connect is of an electronic kind (computer, radio, TV, plastic welder, ...), always consult a EUROPOWER specialist first. Such appliances might not work or even break down in combination with some alternators. Alternators with a low harmonic distortion are best suited for connection of electronic appliances.



**2. CE-MARK, NOISE LABEL AND PICTOGRAMS**

<b>EUROPOWER</b> <small>www.EUROPOWERGenerators.com</small>		<small>EUROPOWER Generators bvba Tegelrijstraat 175 - 3850 Nieuwerkerken Tel. +32-11-586161 - Fax +32-11-582838</small>		
<b>Low Power Generating Set</b>				
<b>Type:</b>	<b>EP6000</b>		<b>Nr - Year:</b>	<b>000137 - 16</b>
	kVA	kW	A (1~230V)	A (V)
<b>PRP</b>	5,4	5,4	23	-
<b>ESP</b>	6	6	26	-
<b>Cos φ</b>	1	Altitude (m)	1000	Max. ambient T (°C)
<b>Mass (kg)</b>	75	Frequency (Hz)	50	ISO8528-Class
				40 rpm
				3000
				<b>CE</b>
				Fuel
				Tank (l)
				LWA
				RON91
				6,1
				97

An ISO9001-2008  
Certified Company

MADE IN BELGIUM by  
www.europowergenerators.com

2.1. CE-marking and noise label:







These are examples of a EUROPOWER type indication plate and a noise label. The type indication plate can be found on every generator. The noise label only appears on generators that comply with the European standard 2000/14/EC. More information on this can be found in the EUROPOWER documentation or on our web site [www.europowergenerators.com](http://www.europowergenerators.com).

2.2. Pictograms:



Some of these pictograms are typical for a certain option or special type of generating set. Therefore, not all pictograms necessarily appear on the standard generating set.

(1)		Here you can fill the tank with fuel. Remove the fuel filler cap and check the fuel level. Refuel carefully to avoid fuel spillage. Do not fill the tank to the top. You might have to lower the fuel level, depending on operating conditions. After refuelling, reinstall the fuel filler cap and tighten it securely. Spilled fuel causes environmental damage. Wipe up spilled gasoline at once.
(4)		Here you can fill the oil by loosening the oil filler cap or dipstick. Fill carefully to avoid oil spillage. Spilled oil should be wiped up immediately in a correct and environmentally friendly way. Respect the local regulations. Do not pour oil into the ground or down the drain.
(11)		WARNING! – Electric shock hazard.



(12)		Never connect the generator to an installation which is also connected to a public mains. Improper connections can allow electrical current from the generator to back feed into the utility lines. Such back feed may electrocute utility company workers, and when utility power is restored, the generator may explode, burn or cause fires in the building's electrical systems.
(13)		Here an earth pin can be connected. Follow the instructions in this manual concerning the use of an earth pin.
(22)		WARNING! – Hot surface. Can cause burns. Hot engine and hot exhaust system can cause serious and even lethal injuries. Never work on the generating set before it has sufficiently cooled down.
(23)		Do not smoke nor allow sparks or flames near the generating set, the fuel pipe, the fuel filter, the fuel pump or other possible sources of spilled fuel or fuel vapours.
(24)		Fuel is highly flammable and explosive and you can be burnt or seriously injured when refuelling. Turn the engine off and let it cool down before refuelling.
(25)		The engine's exhaust gases contain poisonous carbon monoxide. You can be killed or seriously hurt. Do not run the engine in a closed environment. The exhaust system should be leak-tight and it should be inspected regularly.



(27)		<p>Only use a hoist according to local safety regulations. Never allow sharp bends in lifting cables and chains. It is strictly forbidden to dwell or stay in the risk zone under a lifted load. Never lift the unit over people or residential areas. Never leave a load hanging on a hoist. Lifting acceleration and retardation shall be kept within safe limits. To lift heavy parts, a hoist of ample capacity, tested and approved according to local safety regulations, shall be used. Lifting hooks, eyes, shackles, etc. shall never be bent and shall only have stress in line with their design load axis. The capacity of a lifting device diminishes when the lifting force is applied at an angle to its load axis. For maximum safety and efficiency of the lifting apparatus all lifting members shall be applied as near to perpendicular as possible. A hoist has to be installed in such a way that the object will be lifted perpendicular. If that is not possible, the necessary precautions must be taken to prevent load-swinging, e.g. by using two hoists, each at approximately the same angle not exceeding 30° from the vertical.</p>
(28)		<p>WARNING! – Consult the instruction and maintenance manual of the engine and the alternator before carrying out maintenance. Improper maintenance, or failure to correct a problem before operation, can cause a malfunction in which you can be seriously hurt or killed. Always follow the inspection and maintenance recommendations and schedules mentioned in the instruction and maintenance manual of the engine and the alternator.</p>

**3. SHORT DESCRIPTION OF THE GENERATING SET**

Type: EP10000E H/MA: 10 kVA max. / 9 kVA cont. - 39 A 1x230 V  
 Type: EP13500TE H/S: 13.5 kVA max. / 12 kVA cont. - 20 A 1x230 V / 14 A 3x400 V  
 Type: EP12000TE-IP54 H/So: 12.5kVA max. / 11kVA cont. - 17A 1x230V / 13A 3x400V  
 Type: EP12000TE-IP54 H/GTS: 12.5kVA max. / 11kVA cont. - 23A 1x230V / 13A 3x400V  
 Type: EP12000E H/S: 12 kVA max. / 10.8 kVA cont. - 47 A 1x230 V  
 Type: EP16000TE H/S: 16 kVA max. / 14.4 kVA cont. - 23 A 1x230 V / 16 A 3x400 V  
 Type: EP14000E H/S: 13.5 kVA max. / 12 kVA cont.- 52A 1x230V  
 Type: EP18000TE H/S: 17.5 kVA max. / 16 kVA cont.- 23A 1x230V / 18A 3x400V

Weight:

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- EP10000E H/MA: 146 kg, EP12000TE-IP54: 148 kg, EP13500TE H/S: 149 kg
- EP12000E H/S: 150 kg, EP16000TE H/S: 155 kg
- EP14000E H/S: 162 kg, EP18000TE H/S: 165 kg

**All TYPES:**

Frequency: 50 Hz

Engine:

- EP10000E-EP12000TE-IP54-EP13500TE:  
HONDA GX630, 2 cylinder, 688 cm<sup>3</sup>, 3000 rpm, air-cooled
- EP12000E-EP16000TE:  
HONDA GX690, 2 cylinder, 688 cm<sup>3</sup>, 3000 rpm, air-cooled
- EP14000E-EP18000TE:  
HONDA iGX800, 2 cylinder, 779 cm<sup>3</sup>, 3000 rpm, air-cooled, injection

Fuel tank: 20 litres

Dimensions: L = 102cm (83cm without tank), W = 55cm, H = 60cm

Noise level:

EP10000E/EP13500TE/EP12000TE/EP12000E/EP16000TE: Lwa 100  
EP14000E/EP18000TE: Lwa 101

This generating set does not comply with the European Noise Directive 2000/14/EG: see also "Mounting instructions" to be found with "Declaration of Incorporation according to 2006/42/EG".

The main components of the generating set are: GX630/GX690/iGX800 air-cooled gasoline engine (3000rpm) with starting control panel, the alternator, the alternator control panel, the fuel tank and the frame.

For engine and alternator specifications we refer to the engine and alternator manual supplied with each generating set. Specifications for the control panel can be found in chapter 4.

#### **4. DESCRIPTION OF THE CONTROL PANEL**

The engine control panel contains:

- Starting key
- Hour counter
- Low oil level LED  
(For EP14000E and EP18000TE, the LED functions also as an Error Indication, see also the engine manual for more information)
- Choke knob (not for EP14000E and EP18000TE)
- Fuse(s):
  - o Only for EP10000E/EP13500TE/EP12000TE/EP12000E/EP16000TE:
    - 30A fuse (12V circuit protection - inside the engine control panel)
  - o Only for EP14000E and EP18000TE (the fuses are on the side of the engine, next to the oil dipstick)
    - 30A fuse (load current)
    - 15A fuse (main)
- Throttle lever (only for EP10000E, EP12000TE-IP54 and EP13500TE)

The alternator control panel contains:

- Thermal-magnetic breaker
- 2 sockets
- A.I.S.-module (Automatic Idle System) (only for EP12000E, EP16000TE, EP14000E and EP18000TE)



- Switch A.I.S. OFF / ON (only for EP12000E, EP16000TE, EP14000E and EP18000TE).

## **5. USE OF THE GENERATING SET**

- Operating points: 2 sockets with thermal-magnetic protection, A.I.S. switch (only for EP12000E, EP16000TE, EP14000E and EP18000TE), starting key, choke knob and throttle lever (only for EP10000E, EP12000TE-IP54 and EP13500TE).

### 5.1. Starting the engine:

- check the oil level
- check the fuel level
- open the fuel cock



OPEN

- pull the choke button when the engine is cold (not for EP14000E and EP18000TE)
- move the throttle lever to the MAX. position (only for EP10000E, EP12000TE-IP54 and EP13500TE)
- switch A.I.S. OFF (only for EP12000E, EP16000TE, EP14000E and EP18000TE)
- first put the starting key in the position "ON" (initiation injection system) (only for EP14000E and EP18000TE)
- start the engine with the starting key
- close the choke slowly after a few seconds (not for EP14000E and EP18000TE)
- let the engine warm up for a few minutes before charging
- as soon as the generating set has been started you can turn on the A.I.S. system (= switch in the ON position, only for EP12000E, EP16000TE, EP14000E and EP18000TE)
- connect the users.

### 5.2. Charging the generating set:

- on the type indication plate of the generating set you can find the maximum charging current of the generating set
- in case of overcharge, the thermal-magnetic protection in the control panel will switch off after some time. Check the load, reduce it if necessary and switch on the thermal-magnetic protection again
- in case of short-circuit, the thermal-magnetic protection will switch off immediately! First check the cause of the short-circuit and then switch on the protection again.





### 5.3. Stopping the generating set:

- let the generating set cool down at no load for a few minutes before stopping the engine
- stop the engine with the starting key  
close the fuel cock.



CLOSE

### 5.4. Automatic Idle System (only for EP12000E, EP16000TE, EP14000E and EP18000TE):

- to switch on the A.I.S. system you have to turn the switch to the ON position
- the generating set will automatically turn to a reduced speed (2300  $\pm$ 200rpm for GX690 and 2000 rpm for iGX800) when there is no load connected, or when the load has been removed. When a minimum load (100 to 200W) is connected it will return to its nominal speed (3000rpm).

#### Note:

- it can happen that the A.I.S. function does not react on some small (electronic) charges. When this occurs, turn off the A.I.S. system by turning the switch to OFF position
- "OFF DELAY" is set at 60 sec (-25% + 50%).: this means that the engine will automatically turn to a reduced speed +/- 60 sec after switching off the charge. This is to prevent excessive ON/OFF switching of the engine.
- the "OFF DELAY"-regulator is sealed. It is forbidden to change this setting.

### 5.5. Cooling

- make sure that there are no obstructions at the fresh air intake grid, which provides cooling air for the engine and the alternator.
- make sure that the hot cooling air from the engine and the alternator, as well as the exhaust gasses, can easily be abducted.
- never let the generator run in an inappropriately ventilated room! (danger of CO poisoning)

### 5.6. Protections:

- engine: low oil level protection
- alternator: thermal-magnetic protection.



5.7. Maintenance (see also chapter 10):

All maintenance points (air cleaner, oil level dipstick, oil drain bolt, oil filler cap, oil filter, fuel filter, valves, spark plugs) are very good accessible. For normal maintenance activities, check the engine manual. For engine or alternator repair, consult your dealer.

5.8. Safety for the users:

The standard version of the generating sets EP10000E - EP12000TE-IP54 - EP13500TE - EP12000E - EP16000TE - EP14000E - EP18000TE are connected following the IU electrical scheme. This means that for connection of charges class 1 (charges with earth) there is a maximum of 1 charge only, and for charges class 2 (charges with double insulation, to be recognized by the "double square" pictogram on the machine) there is no limitation in the quantity of charges connected at the same time on the generating set. Contact your distributor for details on the above subject.

Still you have to respect the minimum square (mm<sup>2</sup>) and maximum length of the cables you are using (to assure the correct switching off of the thermal-magnetic protection in case of short-circuit). Insulation protection or earth leakage protection are available as an option.

**Table: of minimum cable section (in mm<sup>2</sup>) and maximum cable length (in m) in function of the current (in A)**

Current in A	Cable length	Cable length	Cable length
	0 to 50 metres	> 50 to 100 metres	> 100 to 150 metres
6	1.5mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>
8	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup>
10	2.5mm <sup>2</sup>	4mm <sup>2</sup>	6mm <sup>2</sup>
12	2.5mm <sup>2</sup>	6mm <sup>2</sup>	10mm <sup>2</sup>
16	2.5mm <sup>2</sup>	10mm <sup>2</sup>	10mm <sup>2</sup>
18	4mm <sup>2</sup>	10mm <sup>2</sup>	10mm <sup>2</sup>
24	4mm <sup>2</sup>	10mm <sup>2</sup>	16mm <sup>2</sup>
26	6mm <sup>2</sup>	16mm <sup>2</sup>	16mm <sup>2</sup>
36	6mm <sup>2</sup>	25mm <sup>2</sup>	25mm <sup>2</sup>
50	10mm <sup>2</sup>	25mm <sup>2</sup>	35mm <sup>2</sup>

**6. INCORPORATION OF THE GENERATING SET**

Consult your EUROPOWER dealer or EUROPOWER Generators.

See the "Mounting instructions" to be found with "Declaration of Incorporation according to 2006/42/EG" for generating sets that do not have the EC Declaration of Conformity IIA.



## 7. PARTS LIST

This parts list is based on the standard versions of the EP10000E - EP12000TE-IP54 - EP13500TE - EP12000E - EP16000TE - EP14000E - EP18000TE generating set. For generating sets with options (e.g. insulation protection, remote control, automatic start/stop system...) there can be small differences! Please contact your dealer for info on parts for these options.

Art. nr. Description

### 7.1. GENERATING SET

120000050	silent-bloc A 50/40 M10x28 (alternator)
120001043	silent-bloc B 40/30 M8x23 (engine)
170000000	battery 12V 24 Ah
170000026	protection battery clamp (black)
199000058	support high box RI 300x200x120
199000090	cap for jerrycan
199000096	jerrycan 20 litres
199000098	frame for jerrycan
202000010	S20F-200/A 12kVA 230V Mecc-Alte alternator (EP10000E)
217000012	FK2MFS 12 kVA 230V Sincro alternator (EP12000E)
217000014	FK2MGS 13.5kVA 230V Sincro alternator (EP14000E)
217000113	FT2MES 13.5kVA 230/400V Sincro alternator (EP13500TE)
217000116	FT2MFS 16kVA Sincro alternator (EP16000TE)
217000118	FT2MGS 18kVA 230/400V Sincro alternator (EP18000TE)
217714139	SSG132LA2-R IP54 AVR 12kVA 230/400V SAEJ609B 3000tpm (EP12000TE-IP54-So)
218000112	DWG 12,5/6-2EE IP54 12,5/6kVA 230/400V GTS alternator (EP12000TE-IP54-GTS)
300000221	GX630R VEP4 3000rpm Honda engine (EP10000E-EP12000TE-IP54 - EP13500TE)
300000251	GX690R VXE4 3000rpm Honda engine (EP12000E-EP16000TE)
300000281	iGX800 VX-E4-OH 3000rpm Honda engine (EP14000E-EP18000TE)
910000018	U-profile Alu 210mm, battery fixation
910000026	rod M6 210mm, battery fixation
910000115	frame type 6

### 7.2. CONTROL PANEL

175001008	metal box 300x200x120 mm, IP66
180000000	socket, Schuko type 16A 230V, with lateral earth pins
180000001	socket, Schuko type 16A 230V, with central earth pin
181000000	terminal 6mm <sup>2</sup> (EP12000E-EP12000TE-IP54 -EP13500TE-EP16000TE- EP14000E-EP18000TE)
181000004	terminal 6mm <sup>2</sup> , earthed (EP12000E-EP12000TE-IP54 -EP13500TE- EP16000TE-EP14000E-EP18000TE)
181000005	terminal 10mm <sup>2</sup> , earthed (EP10000E)
181001016	thermal-magn. protection 2-poles 16A, C-character (EP10000E- EP12000E-EP14000E)
181001032	thermal-magn. protection 2-poles 32A, C-character (EP10000E- EP12000E-EP14000E)
181001040	thermal-magn. protection 2-poles 40A, C-character (EP14000E)
181002636	2 position switch - for AIS system (EP12000E-EP16000TE- EP14000E-EP18000TE)
181002640	normal open contact for 181002636 (EP12000E-EP16000TE- EP14000E- EP18000TE)



181003013 thermal-magn. protection 3-poles 13A, C-character  
(EP12000TE-IP54 -EP13500TE)  
181003016 thermal-magn. protection 3-poles 16A, C-character (EP16000TE)  
181004020 thermal-magn. protection 4-poles 20A, C-character (EP18000TE)  
181030332 CEE socket, blue 3 poles 32A 230V (EP10000E-EP12000E-  
EP14000E)  
181030516 CEE socket, red 5 poles 16A 400V (EP12000TE-IP54 -EP13500TE-  
EP16000TE)  
181030532 CEE socket 5 poles 32A 400V (EP18000TE)  
390401051 ecologizer unit (A.I.S) (EP12000E-EP16000TE-EP14000E-  
EP18000TE)

### 7.3. MAINTENANCE PARTS

217990050 diode + varistor + condensator (EP12000E)  
217990074 brushes with holder FT (with 1 diode bridge)  
390700056 brushes with holder FT (with 2 diode bridges)  
398000630 air cleaner element GX630/GX690/iGX800  
398200630 oil filter GX630/GX690/iGX800  
399000030 condensator 30 $\mu$ F (EP12000E)  
399000035 condensator 35 $\mu$ F (EP12000E)  
A00002000 spark plug GX630/GX690  
A00002001 gasoline filter 20 $\mu$ m GX630/GX690  
A00002014 valve cover seal GX630/GX690/iGX800  
A00002200 spark plug iGX800  
A00002201 gasoline filter 10 $\mu$ m iGX800  
- brushes DWG12.5/6-2EE (EP12000TE-IP54)  
390400012 diode D2/125 25A (EP10000E)  
- varistor (EP10000E)

## **8. ELECTRICAL SCHEMES**

See the electrical schemes in the engine and alternator manual and the enclosed EUROPOWER electrical schemes.

## **9. BUILDING-IN DIMENSIONS**

To be asked at your EUROPOWER dealer.

## **10. MAINTENANCE**

### 10.1. Alternator:

Alternator: besides regular visual control of the different alternator parts, the alternator only needs a check of the rotor bearing on every general engine maintenance.

For the alternators with brushes (EP12000TE-IP54 -EP13500TE-EP16000TE-EP18000TE): the brushes should be checked at every general engine maintenance. The expected lifetime of the brushes is 2500 to 3000 hours.



## 10.2. Engine:

See engine manual for maintenance intervals.

Remark: in the factory, the engine has been filled with 15W40 oil (for temperatures up to -10°C). The minimum specification of this oil has to be API SJ/CF-4.

If the ambient temperature is lower, 10W30 oil (up to -15°C) or full synthetic 5W30 oil (up to -25°C) should be used. Here the minimum specification also has to be API SJ/CF-4.

## 11. TRANSPORT AND STORAGE

To prevent fuel spillage when transporting or during temporary storage, the generator should be secured upright in its normal operating position, with the engine switch in position "OFF".

When transporting the generators:

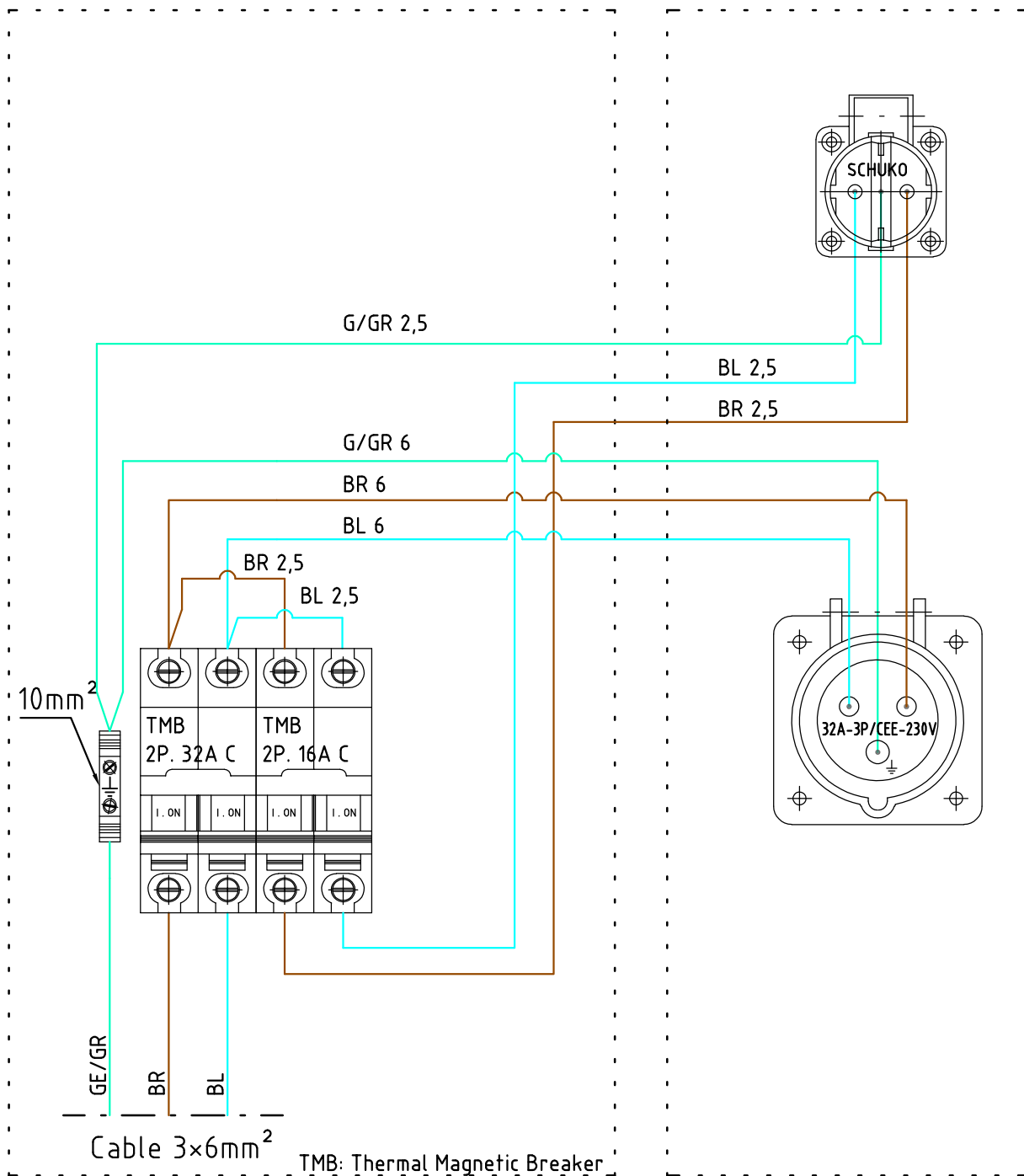
- Close the fuel cock
- Do not overfill the tank (there may not be any fuel in the filler neck).
- Do not use the generator while it is placed in a vehicle.
- Take the generator off the vehicle and use it in a well-ventilated place.
- When placing the generator in a vehicle, avoid a place exposed to direct sunlight. When the generator is left in an enclosed vehicle for a longer period of time, high temperature inside the vehicle could cause fuel to vaporise resulting in a possible explosion.
- Do not drive on a rough road for an extended period with the generator on board. If you must transport the generator on a rough road, drain the fuel from the generator beforehand.

Before storing the unit for an extended period ( > 2 months):

- Make sure the storage area is free of excessive humidity and dust.
- For gasoline generating sets: drain the fuel.
- Turn the fuel cock "ON" (if present), loosen the carburettor drain screw and drain the gasoline from the carburettor into a suitable container.
- Turn the fuel cock "OFF" (if present) and tighten the carburettor drain screw securely.
- **WARNING**  
Gasoline is extremely flammable and explosive under certain conditions.  
Do not smoke or allow flames or sparks in the area.
- Remove the spark plugs and pour about a tablespoon of clean engine oil into the cylinders. Crank the engine several revolutions to distribute the oil, then reinstall the spark plugs.
- Reinstall the spark plug caps on the spark plugs securely.
- Refresh the engine oil.
- Remove the battery and connect it to a battery charger. This way you will increase the life span of the battery.

EW17

Color code
BR=brown
BL=blue
G=yellow
GR=green
G/GR=yellow/green
P=purple
R=red
W=white
Z=black



Directory:

Tolerantie:

Materiaal:

Schaal:  
1:2.5

WIRING DIAGRAM FOR  
EP10000E HMA + H/S  
STANDARD

Rev.datum : 04/11/2010

Ontwerper(s) : BL

Tekenaar : DP

Revisor : MH

Goedkeurder : MH/SH

A4

Ontw.dos.nr.:

Art.nr.:

EUROPOWER

Tek.nr.:

Rev.nr.:

Verzonden : -

Onderaann. : -

-

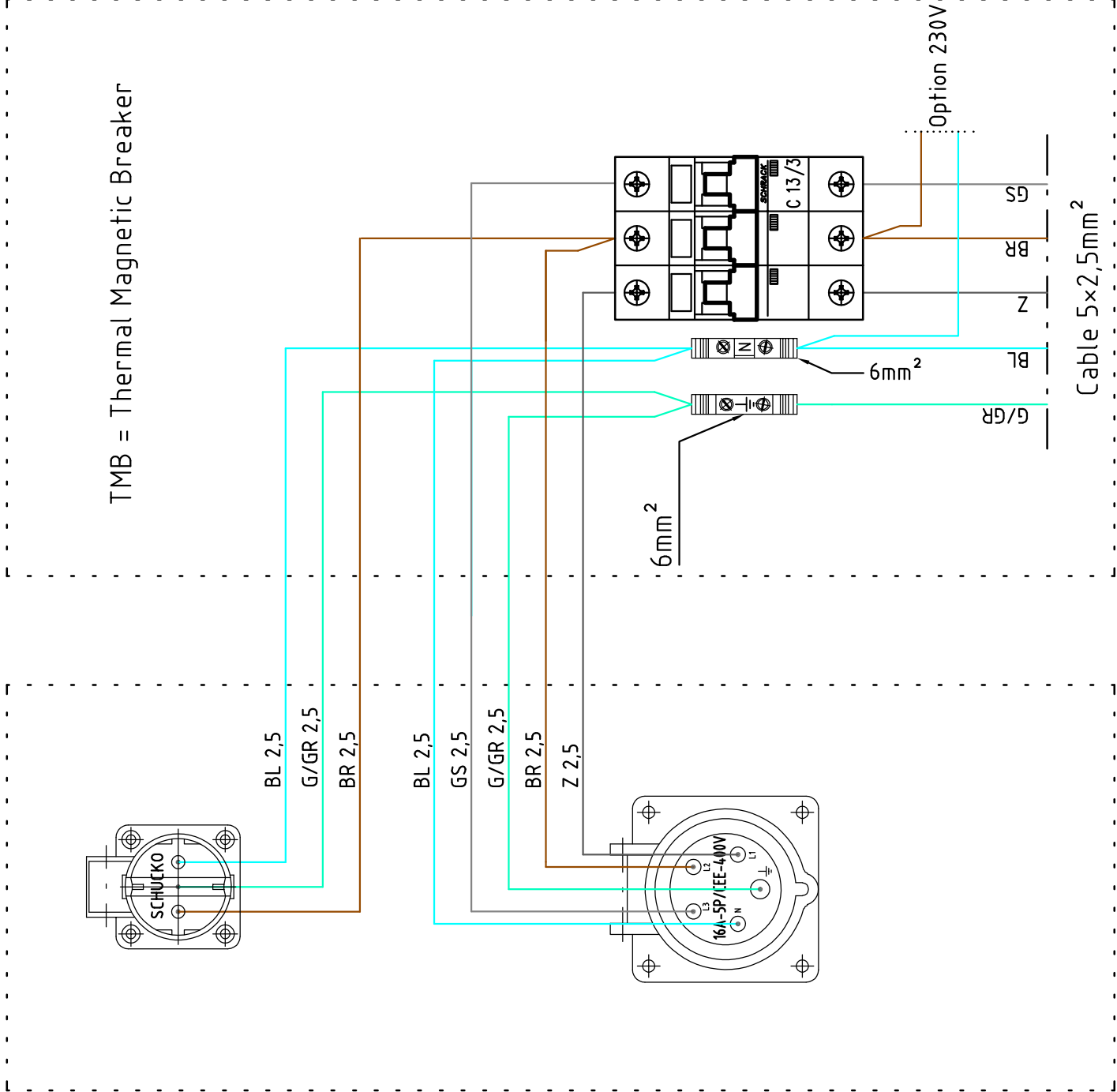
990001001

1.3

07

Color code
BR=brown
BL=blue
G=yellow
GR=green
G/GR=yellow/green
GS=grey
P=purple
R=red
W=white
Z=black

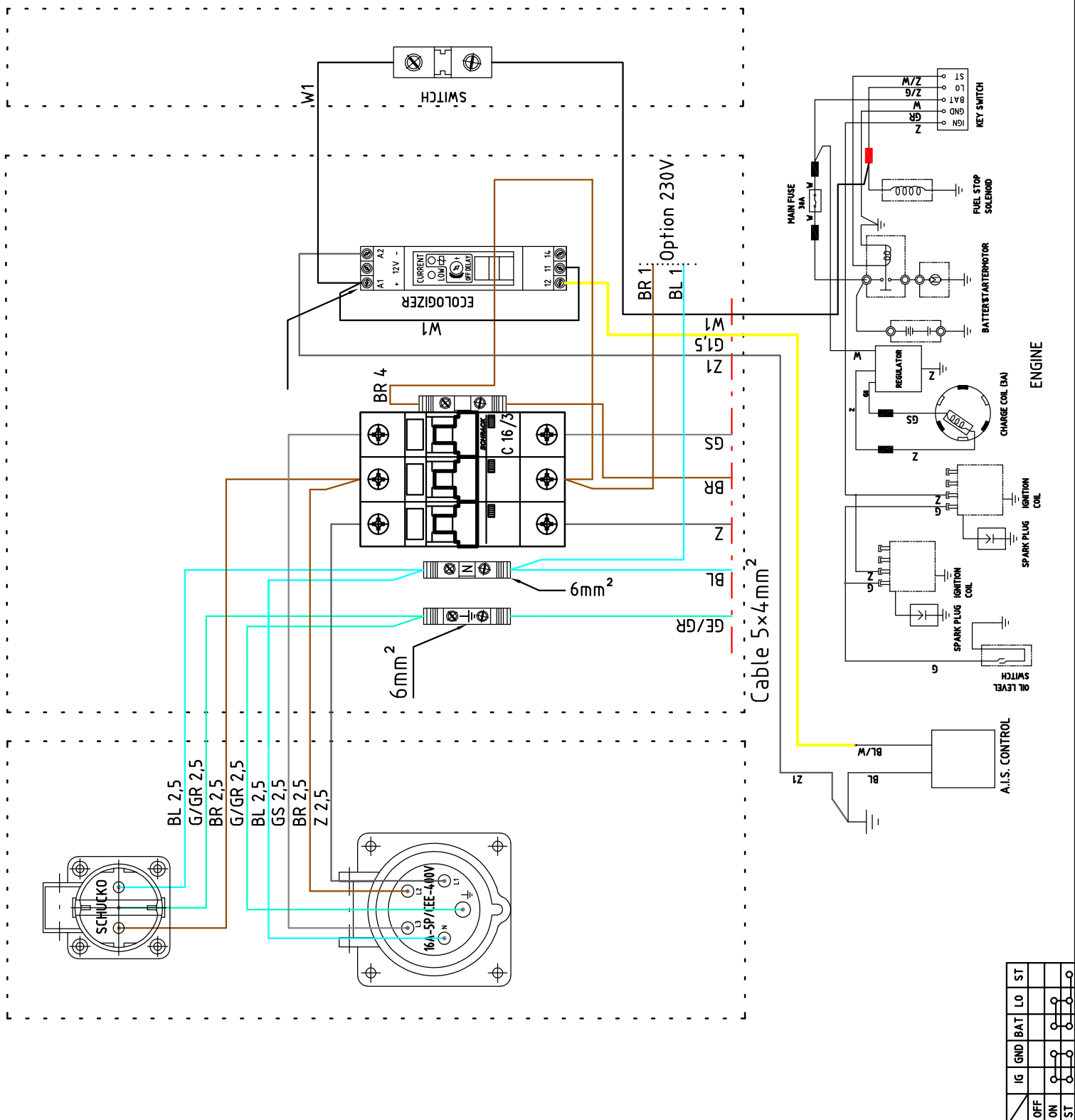
TMB = Thermal Magnetic Breaker



Directory: -		Tolerantie: -	Materiaal: -
Schaal: 1:2.5	<p>WIRING DIAGRAM 230V - 400V EP13500TE - H/S + EP12000TE -IP54 H/GTS STANDARD IN METAL BOX</p>		Rev.datum : 2/11/2017
A4			Ontwerper(s) : BL
Onfw.dos.nr.: -	Art.nr.: 950001203	Tek.nr.: 1.8	Rev.nr.: 14
		Verzonden : -	Onderaann. : -

Color code
BR=brown
BL=blue
G=yellow
GR=green
G/GR=yellow/green
GS=grey
P=purple
R=red
W=white
Z=black

EW143

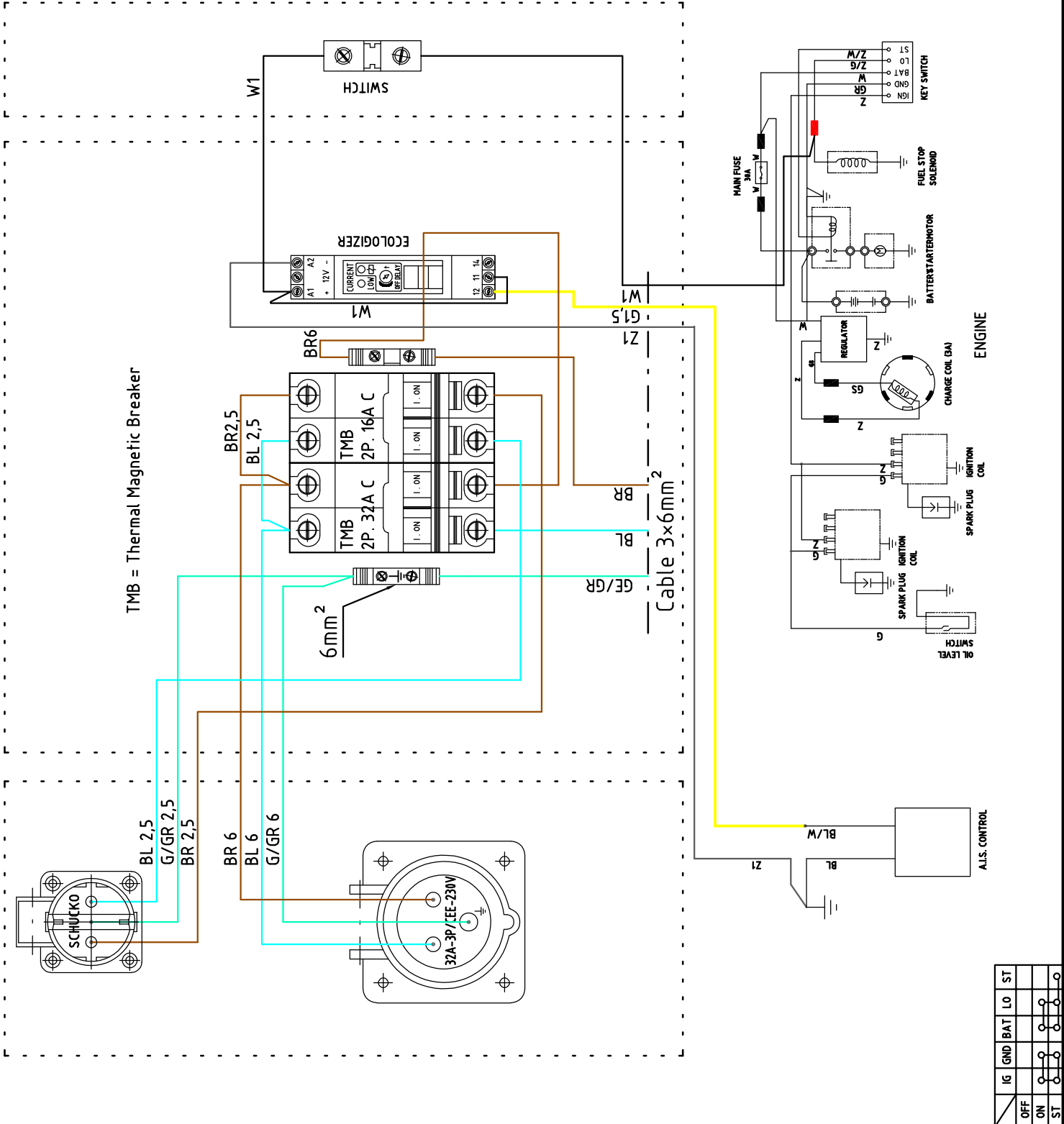


IG	GND	BAT	LO	ST
OFF				
ON				
ST				

Directory: -		Tolerantie: -		Materiaal: -	
Schaal: 1:2.5	<p style="text-align: center;">WIRING DIAGRAM FOR EP1600TE H/S IN METAL BOX STANDARD</p>			Rev.datum : 02/03/2018	
A4				Ontwerper(s) : VV	
Ontw.dos.nr.: -		Art.nr.: 950001503		Tekenaar : JW	
-		-		Revisor : KD	
-		-		Goedkeurder : HZ/MH	
-		-		Verzonden :	
-		-		Onderaann. :	
		Tek.nr.: 1.8		Rev.nr.: 10	



Color code
BR=brown
BL=blue
G=yellow
GR=green
G/GR=yellow/green
P=purple
R=red
W=white
Z=black

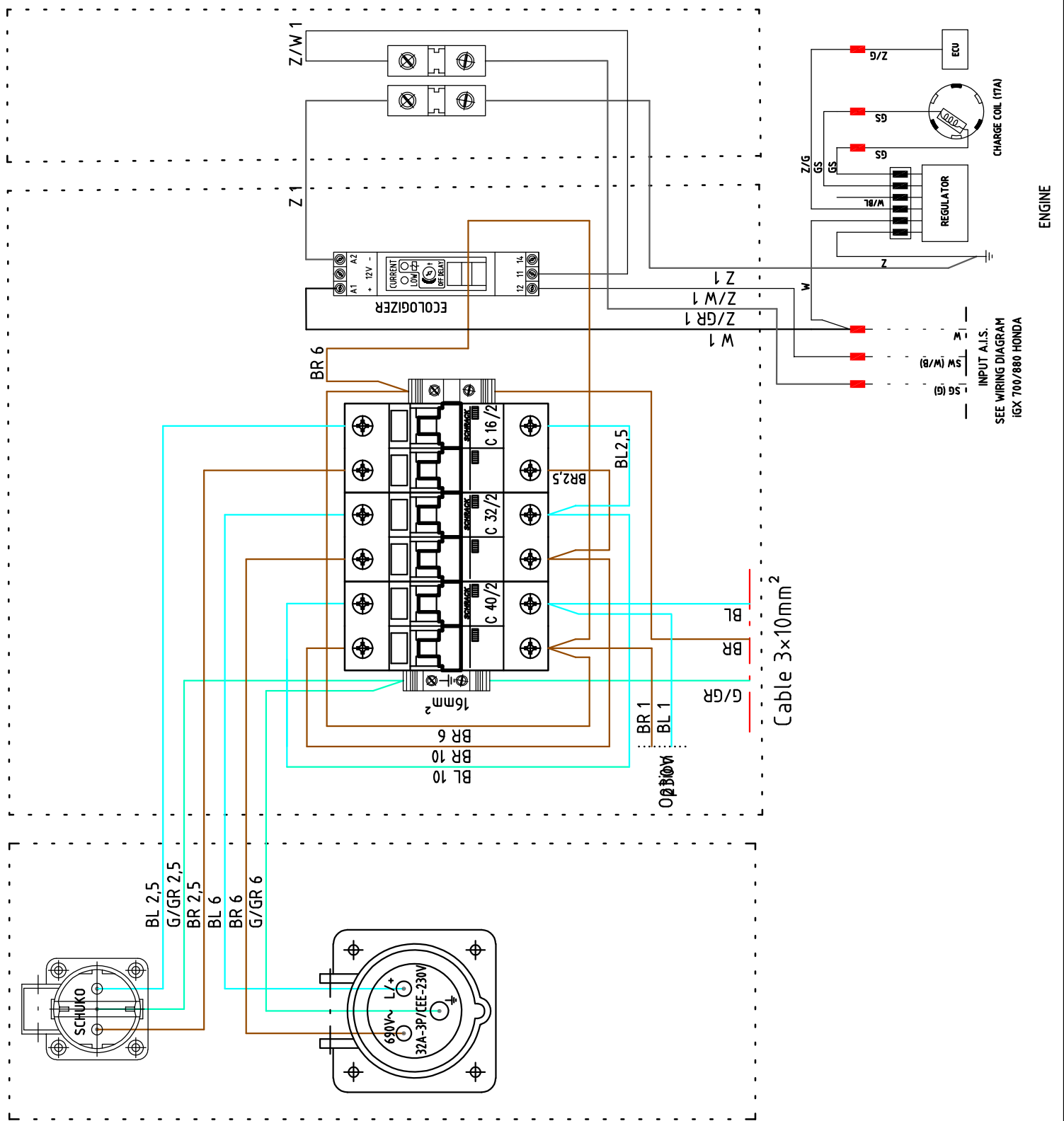


Directory: -	Tolerantie: -	Materiaal: -
Schaal: 1:2.5	Rev.datum : 28/09/2010 Ontwerper(s) : BL Tekenaar : DP Revisor : MH Goedkeurder : MH/SH	
A4	WIRING DIAGRAM FOR EP12000E H/S IN METAL BOX STANDARD + OPTION h-counter	
Ontw.dos.nr.: -	Arf.nr.: 950001201	Tek.nr.: 15
EUROPOWER		Rev.nr.: 04
Verzonden :		Onderaann. :

IG	GND	BAT	LO	ST
OFF				

Color code	BR=brown
	BL=blue
	G=yellow
	GR=green
	G/GR=yellow/green
	GS=grey
	P=purple
	R=red
	W=white
	Z=black

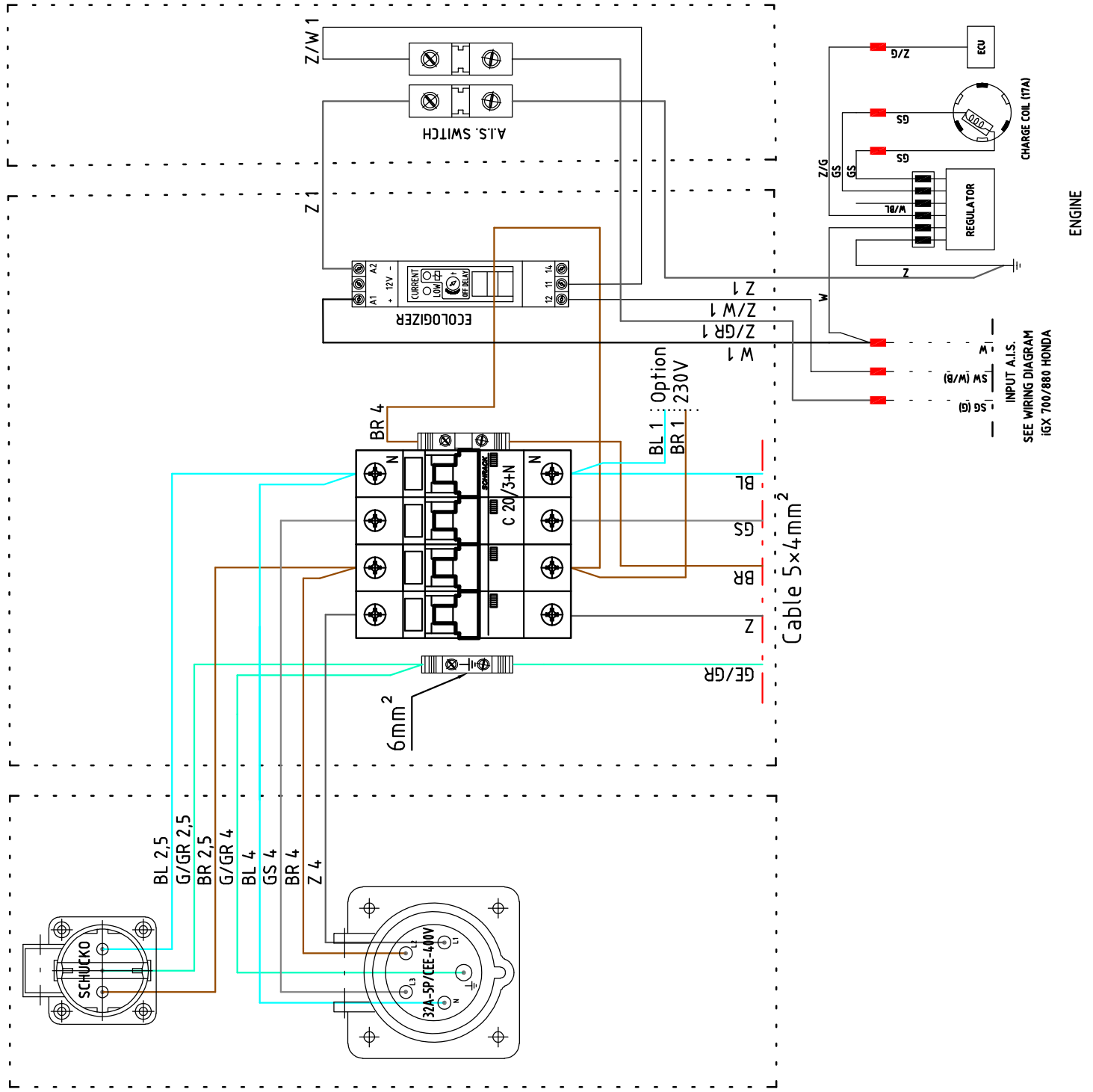
EW321



Directory:	-	Tolerantie:	-	Materiaal:	-		
Schaal:	1:2.5	<p style="text-align: center;">WIRING DIAGRAM FOR EP14000E H/S (iGX800) IN METAL BOX STANDARD</p>			Rev.datum :	24/03/2020	
A4					Ontwerper(s) :	JS	
					Tekenaar :	KIV	
				Revisor :	-		
				Goedkeurder :	BL/JS		
				Verzonden :			
				Onderaann. :			
Ontw.dos.nr.:	-	Art.nr.:	914.060140	Tek.nr.:	1.1	Rev.nr.:	00

Color code
BR=brown
BL=blue
G=yellow
GR=green
G/GR=yellow/green
GS=grey
P=purple
R=red
W=white
Z=black

EW318



Directory:		Tolerantie:		Materiaal:		
-		-		-		
Schaal:	<b>WIRING DIAGRAM FOR EP18000TE H/S (iGX800) IN METAL BOX STANDARD</b>				Rev.datum :	21/04/2020
1:2.5					Ontwerper(s) :	BL
A4	Ontw.dos.nr.:	Art.nr.:	Tekenaar :	KIV	Revisor :	-
	-	950001803	Goedkeurder :	BL/JS	Verzonden :	
			Tek.nr.:	1.1	Rev.nr.:	01
			Onderaann. :			

# HONDA *IGX 700/800* Controlbox types wiring diagram

