



Receiving Material Inspection Report

Contractor name:

AEMS S.A.L

Project Name:

Design, Supply, Installation, Inspection and Maintenance of Lighting and Photovoltaic Systems.

Project Number:

T23/2019

Date Inspected

03-09-2019

Inspected By:

Eng. Issam Kiwan
Eng. Mazen Awada

Reporting Date:

04-09-2019

Employer name:

مجلس بلديّة الجديدة الشوف

Signature:

المهندس هشام القطايري

Date:



Receiving Material Inspection Report

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Signature:

Date:



1. Inspection Report

No.	Item	Brand	Type / Model No.	Serial Number	Quantity
1	PV Modules	BISOL	Mono XL 370Wp	1778398046	74
				1778397946	
				1778398070	
				1778397827	
				1778397650	
				1778397632	
				1778397851	
				1778398078	
				1778397679	
				1778397671	
				1778398030	
				1778398022	
				1778398060	
				1778397811	
				1778397695	
				1778397647	
				1778397687	
				1778397468	
				1778397444	
				1778397938	
				1778397584	
				1778397592	
				1778397819	
				1778397877	
				1778397606	
				1778397885	
				1778397909	
				1778397795	
				1778397838	
				1778397616	
				1778397576	
				1778397869	
				1778437304	
				1778398176	
				1778437354	
				1778437325	
				1778437450	
				1778398012	
				1778437317	
				1778437365	
				1778398191	
				1778397967	
				1778437138	
				1778398146	
				1778398154	



1	PV Modules	BISOL	Mono XL 370Wp	1780210814	
				1780210798	
				1780204427	
				1780203846	
				1780210826	
				1780211127	
				1780204168	
				1780203857	
				1780204253	
				1780210921	
				1780204485	
				1780203809	
				1780203833	
				1780210691	
				1780203970	
				1780203923	
				1780204156	
				1780204110	
				1780204044	
				1780204105	
				1780204098	
				1780203817	
				1780204008	
				1780204467	
				1780210728	
				1780210720	
				1780210699	
				1780210715	
				1780204948	
2	Inverters	Fronius	Primo 6.0-1	30174779	1
			Eco 25.0-3-S	30318458	1
		Victron	Inverter/ Charger Quattro 48/ 8000/ 110-100	HQ1912PWZGY	4
				HQ19127DFMZ	
				HQ1912AF975	
				HQ1912HBYFV	
3	Batteries	MG Energy	MG HE Battery 25,2V/200Ah MGINRHE240200	19230010	10
				19230011	
				19230012	
				19230013	
				19230014	
				19230015	
				19230016	
				19230017	
				1923000F	
				19230018	
			Rack with 2 MG HE Battery 25,2V/300Ah (15 KWh) MGER049015	1925001C	1



4	LED Lighting	AEG	AEGDL16001 DOWNLIGHT 18W CIRCULAR COOL 6500K	NA	38
			AEGA10052-9 BULB 10W E27 WARM 3000K	NA	40
			AEGDL16041 Downlight 18W Circular Surface Mounted COOL 6500K	NA	17
			Water Proof Fixture IP65 120cm, PC+PC+PC with 2x AEGT15011- N:NANO TUBE 18W T8 120CM COOL 6500K	NA	16
			AEGA10051-9: BULB 10W E27 COOL 6500K	NA	20
			AEGSTL22105: STREET LIGHT SMD 100W COOL 6500K	NA	100
5	Mounting Structure	BISOL	Easy Mount ALU Triangular 300	NA	For 74 Modules



Annex 1

Photos

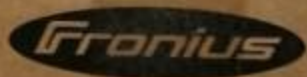




/ Perfect Welding / Solar Energy / Perfect Charging



/ Perfect Welding / Solar Energy / Perfect Charging





SEEK OUT ASSISTANCE

FRONIUS SOLAR.WEB

GET YOUR FREE MONITORING

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www.fronius.com

FRONIUS ECO

Model No.:

Fronius Primo 6.0-1
WLAN/LAN/Webserver



Part No.:

4,210,062



Serial No.:

30174779 CE

4,251,003

Option PRIMO FRONIUS





FRONIUS PRIMO

del No.:

Fronius Eco 25.0-3-S
WLAN/LAN/Webserver

rt No.:

4,210,056,040



erial No.:

30318458 CE



9 007947 179302

51,018 1x Fronius Eco option
51,023 1x Option 6xbolts DC+
x



(01)09007947179302(21)30318458

www.victronenergy.com

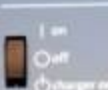


Quattro
48V | 8000A | 110V

charger

- status on
- bulk
- absorption
- float

- battery charger
- powerassist



- slowwave inverter
- parallel connectable

inverter

- inverter on
- overload
- low battery
- temperature

- transfer switch
- three phase connectable

AC transfer capacity: ca. 100 A | Inverter: 230 V



Before charging read the instructions. For indoor use only! Disconnect the supply before making or testing the connections to the battery.
WARNING: Explosive gases, prevent flames and sparks, provide adequate ventilation during charging. Charge lead-acid or Li-Ion batteries only.

-13/EAN-13



076 032953



QUA488024000



HQ1912PWZGY

Quattro 48/8000/110-100/100 230V VE.Bus

DCIN	ACOUT	ACIN	DCOUT
38-66V	225-235V	187-250V	52.8-57.6V
188A	29.5A	100/100A	110A
	50Hz	45-55Hz	

hw rev 01

Designed in The Netherlands, Europe. Made in India

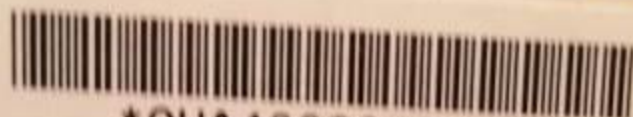
IP20

CE

3 / EAN-13



6 032953



QUA488024000



HQ19127DFMZ

IP20

CE

Quattro 48/8000/110-100/100 230V VE.Bus

DCIN	ACOUT	ACIN	DCOUT
38-66V	225-235V	187-250V	52.8-57.6V
188A	29.5A	100/100A	110A
	50Hz	45-55Hz	

hw rev 01

Designed in The Netherlands, Europe. Made in India

Victron

P.O. Box

1305 AA

The Netherlands

Phone +31

Fax +31

E-mail sales@victron.nl

www.victron.nl



IP20

QUA488024000



CE

HQ1912AF975

Quattro 48/8000/110-100/100 230V VE.Bus

DCIN	ACOUT	ACIN	DCOUT
38-66V	225-235V	187-250V	52.8-57.6V
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	50Hz	45-55Hz	

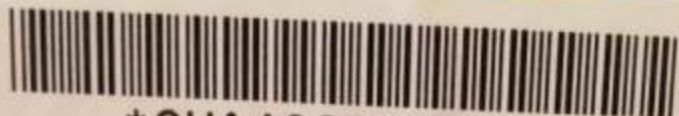
hw rev 01

Designed in The Netherlands, Europe. Made in India

3/EAN-13



76032953



QUA488024000



HQ1912HBYFV

IP20



Quattro 48/8000/110-100/100 230V VE.Bus

DCIN	ACOUT	ACIN	DCOUT
38-66V	225-235V	187-250V	52.8-57.6V
188A	29.5A	100/100A	110A
	50Hz	45-55Hz	

hw rev 01

Designed in The Netherlands, Europe. Made in India

Vic

P.O.

1305

The

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www.vi

High Energy Lithium-Ion Battery | 24V / 200Ah







MG ENERGY SYSTEMS

Innovation in energy storage

Type : **MGINRHE240200**
Voltage : **25.2 V (nominal)**
Capacity : **5.0 kWh / 200 Ah**
Max. Discharge : **21.0 V; 300 A (1.5C)**
Max. Charge : **29.4 V; 200 A (1.0C)**

Protection class : **IP20**
Weight : **28.6 kg**

MG Energy Systems B.V.

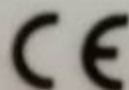
Foeke Sjoerdsweel 3

NL-8941 BH Leeuwarden

The Netherlands

www.mgenergysystems.eu

Made in the Netherlands

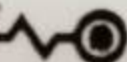


Li-Ion



Serial number:
1923000F

MG ENERGY SYSTEMS
Innovation in energy storage



Type : **MGINRHE240200**
Voltage : **25.2 V (nominal)**
Capacity : **5.0 kWh / 200 Ah**
Max. Discharge : **21.0 V; 300 A (1.5C)**
Max. Charge : **29.4 V; 200 A (1.0C)**

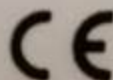
Protection class : **IP20**
Weight : **28.6 kg**

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Li-Ion



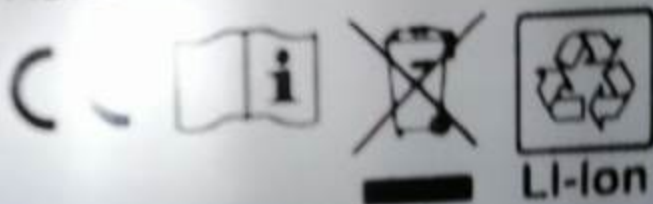
Serial number:
19230015

MG ENERGY SYSTEMS
Innovation in energy storage

ge
city
Discharge : **MGINRHE240200**
Charge : **25.2 V (nominal)**
: **5.0 kWh / 200 Ah**
: **21.0 V; 300 A (1.5C)**
: **29.4 V; 200 A (1.0C)**

ection class : **IP20**
ght : **28.6 kg**

MG Energy Systems B.V.
Foeke Sjoerdswei 3
NL-8941 BH Leeuwarden
The Netherlands
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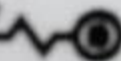


Li-Ion



Serial number:
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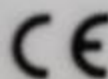
MG ENERGY SYSTEMS
innovation in energy storage



Type : **MGINRHE240200**
Voltage : **25.2 V (nominal)**
Capacity : **5.0 kWh / 200 Ah**
Max. Discharge : **21.0 V; 300 A (1.5C)**
Max. Charge : **29.4 V; 200 A (1.0C)**

Protection class : **IP20**
Weight : **28.6 kg**

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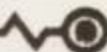


Li-Ion



Serial number:
19230010

MG ENERGY SYSTEMS
Innovation in energy storage



Type : **MGINRHE240200**
Voltage : **25.2 V (nominal)**
Capacity : **5.0 kWh / 200 Ah**
Max. Discharge : **21.0 V; 300 A (1.5C)**
Max. Charge : **29.4 V; 200 A (1.0C)**

Protection class : **IP20**
Weight : **28.6 kg**

MG Energy Systems B.V.

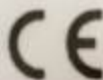
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Li-Ion



Serial number:
19230016

MG ENERGY SYSTEMS
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Type : **MGINRHE240200**
Voltage : **25.2 V (nominal)**
Capacity : **5.0 kWh / 200 Ah**
Max. Discharge : **21.0 V; 300 A (1.5C)**
Max. Charge : **29.4 V; 200 A (1.0C)**

Protection class : **IP20**
Weight : **28.6 kg**

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Li-Ion



Serial number:
19230014

MG ENERGY SYSTEMS

Innovation in energy storage

Type : **MGINRHE240200**
Voltage : **25.2 V** (nominal)
Capacity : **5.0 kWh / 200 Ah**
Max. Discharge : **21.0 V; 300 A (1.5C)**
Max. Charge : **29.4 V; 200 A (1.0C)**

Protection class : **IP20**
Weight : **28.6 kg**

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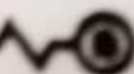


Li-Ion



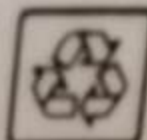
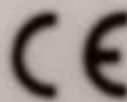
Serial number:
19230013

G ENERGY SYSTEMS
Innovation in energy storage



Model : **MGINRHE240200**
Voltage : **25.2 V (nominal)**
Capacity : **5.0 kWh / 200 Ah**
Max. Discharge : **21.0 V; 300 A (1.5C)**
Max. Charge : **29.4 V; 200 A (1.0C)**
Protection class : **IP20**
Weight : **28.6 kg**

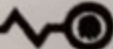
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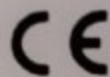
Serial number:
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MG ENERGY SYSTEMS
Innovation in energy storage 

Type : **MGINRHE240200**
Voltage : **25.2 V (nominal)**
Capacity : **5.0 kWh / 200 Ah**
Max. Discharge : **21.0 V; 300 A (1.5C)**
Max. Charge : **29.4 V; 200 A (1.0C)**

Protection class : **IP20**
Weight : **28.6 kg**

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Li-Ion



Serial number:
19230018



MG



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Type : **MGER048015**
Voltage : **50.4 V (nominal)**
Capacity : **15 kWh / 300 Ah**
Max. Discharge : **42.0 V; 300 A (1.0C)**
Max. Charge : **58.8 V; 200 A (0.7C)**



Li-Ion

Protection class : **IP20**
Weight : **126 kg**



Serial number:
1925001C

MG Master LV
Battery management controller



- safety contactor
- shunt
- dc distribution
- pre-charge
- balancing
- fuse box

IP22



◀ Batteries



Battery CAN



Status
Aux. CAN



Chargers/Loads



AEG

LED Down Light

18w | 2^{**YEARS**} GUARANTEE

18W 1530lm



10
YEARS*
30,000hrs

SAVES
ENERGY
UP TO
80%



225mm

8"



AEG

LED Down Light

18w | **2** **YEARS**
GUARANTEE

18W 1440lm





AEG

LED Light

|10w| 2 YEARS[™] GUARANTEE



COOL
WHITE

Model No.: AEGA10051-9

AEG

LED Light

| 10w | 2 YEARS**
GUARANTEE



**WARM
WHITE**

Model No.: AEGA10052-9













AEMS SAL
19-011-001001