

Lloyd's Register EMEA (Rotterdam Office)

Lloyd's K.P. van der mandelelaan 41a Register 3062 MB Rotterdam The Netherlands

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Document number ROT.TA.1590338	
Issue number	

DESIGN APPRAISAL DOCUMENT

Date	Quote this reference on all future communications
14 December 2015	ROT.TA.1590338

LLOYD'S REGISTER TYPE APPROVAL SYSTEM, 2015.

Issued to: Mastervolt B.V. for: Battery Chargers Type: Mass 24/75 C and 24/100 C TYPE APPROVAL CERTIFICATE No. 05/30015(E2)

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System, 2015 and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

See previous approval documentation

TEST REPORTS

See previous test reports
Inspections and Surveillance of Production Facilities report

Supplementary Type Approval Terms and Conditions

Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.

Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.

Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.

A.W. van der Velden

Marine Technology & Engineering Services, Rotterdam

Lloyd's Register EMEA



Type Approval Certificate Extension

This is to certify that Certificate No. 05/30002(E1) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER

Mastervolt B.V. Snijdersbergweg 93 1105 AN Amsterdam The Netherlands

PLACE OF

-- Confidential information --

DESCRIPTION

PRODUCTION

Battery Chargers

TYPE

230V 50-60 Hz Mass 24/75 C Mass 24/100 C

APPLICATION

Marine and offshore application in Category ENV1, ENV2 as defined in LR Type Approval System Test Specification No. 1 2002 where the

test specification is satisfactory for the intended operation.

RATINGS

Туре:

Mass 24/75 C

Mass 24/100 C

Input:

230V 50-60 Hz

230V 50-60 Hz

Output:

24V DC, 75A

24V DC, 100A

Certificate No.

05/30015(E2)

Issue Date

14 December 2015

Expiry Date

30 June 2020

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Marine Technology & Engineering Services, Rotterdam

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"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The attached Design Appraisal Document No. ROT.TA.1590338 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

When Rules and Standards mentioned in this certificate are changed within the validity of this certificate, than this certificate becomes no longer valid.

All other details remain as the previous Certificate No. 05/30015(E1) to which this extension should be attached.

Certificate No.

05/30015(E2)

Issue Date

14 December 2015

Expiry Date

30 June 2020

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Marine Technology & Engineering Services, Rotterdam

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