



Confirmation of Product Type Approval 05/JUN/2009

Please refer to the "Service Restrictions" shown below to determine if Unit Certification is required for this product.

This is to certify that, pursuant to the Rules of the American Bureau of Shipping (ABS), the manufacturer of the below listed product held a valid Manufacturing Assessment (MA) with expiration date of 24/SEP/2013. The continued validity of the Manufacturing Assessment is dependent on completion of satisfactory audits as required by the ABS Rules.

And; a Product Design Assessment (PDA) valid until 23/APR/2014 subject to continued compliance with the Rules or standards used in the evaluation of the product.

The above entitle the product to be called Product Type Approved.

The Product Design Assessment is valid for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.

ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

NEWMAR

Model Name(s): PT-14W, PT-24-8W, PT-25W, PT-24-13W, PT-40W, PT-24-20W, PT-80, PT-24-45U, PT-24-60W, PT-24-95U, PTMS 12-100, PTMS 24-67, any of which will meet ABS standards listed herein.

Presented to:

NEWMAR
2911 WEST GARRY AVENUE
SANTA ANA
CA 92704
United States

Intended Service:

Charging batteries and providing clean stable DC power in marine applications.

Description:

The listed PT series battery chargers are all smart multistage battery chargers settable for flooded lead acid, gel, and agm batteries. In addition, the PTMS series offer redundant hot swap modules within a single case.

Ratings:

PT-14W: 14 amps @ 12 Vdc, PT-24-8W: 8 amps @ 24 Vdc, PT-25W: 25 amps @ 12 Vdc, PT-24-13W: 13 amps @ 24 Vdc, PT-40W: 40 amps @ 12 Vdc, PT-24-20W: 20 amps @ 24 Vdc, PT-80: 80 amps @ 12 Vdc, PT-24-45U: 45 amps @ 24 Vdc, PT-24-60W: 60 amps @ 24 Vdc, PT-24-95U: 95 amps @ 24 Vdc, PTMS-12-100: 100 amps @ 12 Vdc, PTMS-24-67: 67 amps @ 24 Vdc

Service Restrictions:

Unit Certification is not required for this product because ratings are below 25 kW. See SVR (2009) 4-8-3/5.11.1(a), Under 90 meters Rules (2006) 4-6-4/7.3.1(d), and HSNR (2007) 4-8-3/5.15.1(a) as amended by rule change notices. Also see additional service restrictions in comments block.

Comments:

Service restrictions: (1) PTMS Series 12-100 & 24-67 may be used to supply essential services. (2) Models PT-14W, PT-25W, PT-40W, PT-24-8W, PT-24-13W, PT-24-20W, PT-24-45U, PT-24-60W, PT-24-95U, and PT-80 may be used to supply non-essential services or essential service where provided in a redundant arrangement. (3) PTMS Series 12-100 & 24-67, and PT-14W, PT-25W, PT-40W, PT-80, PT-24-8W, PT-24-13W, PT-24-20W, PT-24-45U, and PT-24-95U model units installed in spaces with ambient temperatures above 50 degrees C must be

derated iaw with mfg recommendations and shall not be installed in spaces with ambient temperatures above 60° C. (4) PT-24-60W model units shall not be installed in spaces with ambient temperatures above 50° C. (5) For vessels classed to HSNC, the battery charger shall be sized to recharge the battery(s) to full capacity in not more than 8 hours.

Notes / Documentation:

This Product Design Assessment (PDA) is valid only for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.

Term of Validity:

This Design Assessment Certificate number 09-DC-443927.1-PDA, dated 24/Apr/2009 will expire on 23/Apr/2014 or at an earlier date should there be alterations to the product's design or changes to the referenced ABS Rules and other specifications, which affect the product. Product use on or after 1 January 2010, will be subject to compliance with the ABS Rules or specifications in effect when the vessel, MODU or facility is contracted. The product's acceptability on board ABS-classed vessels or facilities is defined in the service restrictions of this certificate.

ABS Rules:

PT and PTMS Series meet SVR 2009 4-8-3/5.9, Under 90 meters Rules 2006 4-6-4/7.19, and HSNC 2007 4-8-3/5.13. PTMS Series also meets SVR 2009 4-8-2/3.7.3(c), Under 90 meters Rules 2006 4-6-2/7.1.6(c), HSNC 2007 4-8-2/3.7.3(c) as amended by rule change notices through 2009.

National Standards:**International Standards:****Government Authority:****EUMED:****Others:**


ABS Programs

ABS has used due diligence in the preparation of this certificate and it represents the information on the product in the ABS Records as of the date and time the certificate was printed. Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. Limited circumstances may allow only Prototype Testing to satisfy Type Approval. The approvals of Drawings and Products remain valid as long as the ABS Rule, to which they were assessed, remains valid. ABS cautions manufacturers to review and maintain compliance with all other specifications to which the product may have been assessed. Further, unless it is specifically indicated in the description of the product; Type Approval does not necessarily waive witnessed inspection or survey procedures (where otherwise required) for products to be used in a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS. Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.