



Confirmation of Product Type Approval 16/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 05/AUG/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 20/AUG/2013 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.

CHARLES INDUSTRIES Model Name(s): HQ Series Charger Line up

Presented to:

CHARLES INDUSTRIES
503 NE 15TH STREET
CASEY
IL 62420
United States

Intended Service:	Battery Charger and Power Supply combination for Marine & Offshore installation applications.
Description:	Part Numbers: 9Q-12255HQ-A, 9Q-12355HQ-A, 9Q-12455HQ-A, 9Q-12555HQ-A, 9Q-12655HQ-A, 9Q-12855HQ-A, 9Q-121055HQ-A, 9Q-24155HQ-A, 9Q-24255HQ-A, 9Q-24355HQ-A, 9Q-24455HQ-A, 9Q-24555HQ-A, 9Q-24655HQ-A, 9Q-12255HQA-A, 9Q-12355HQA-A, 9Q-12455HQA-A, 9Q-12555HQA-A, 9Q-12655HQA-A, 9Q-12855HQA-A, 9Q-121055HQA-A, 9Q-24255HQA-A, 9Q-24355HQA-A, 9Q-24455HQA-A, 9Q-24555HQA-A, 9Q-24655HQA-A
Ratings:	Models available include 12VDC (25-105 amp) or 24VDC (15 - 65 amp) output. All HQ units available with 120 VAC and HQI units available with 240 VAC input. All units are 50/60 Hz.
Service Restrictions:	Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined. Suitable for non-hazardous locations, enclosures are rated IP 22 (NEMA 2)
Comments:	Original PDA resides with Charles Industries - ROLLING MEADOWS. The charging facilities are to be such that a completely discharged battery can be recharged to 80% capacity in not more than 10 hours. It is to be verified on individual application that there is either negligible leakage or no leakage (discharge) of the battery with the AC power source off and DC loads disconnected while batteries are connected.

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 08-HS340668/1-DUP, dated 21/Aug/2008 will expire on 20/Aug/2013 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 2009, 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: 2008 Steel Vessels Rules 1-1-4/7.7, 4-8-3/5.1,5.3 & 5.9; 2008 MODU Rules: 4-3-4/7.1, 7.9 & 7.19


National Standards: UL File ME200 Issued date 18 June 1996

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.