



## *Confirmation of Product Type Approval 07/MAR/2011*

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 27/FEB/2016. 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 10/JUN/2015 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.

**LIAN ZHENG ELECTRONIC (SHENZHEN ) CO., LTD.**

**Model Name(s): Eaton 9130 Tower 1-3kVA**

**Presented to:**

LIAN ZHENG ELECTRONIC (SHENZHEN ) CO., LTD.  
NO. 4 LIUFANG ROAD  
BLOCK 67 BAOAN  
SHENZHEN  
China

<b>Intended Service:</b>	Marine and Offshore applications.
<b>Description:</b>	Uninterruptible Power Supply Unit in tower configuration.
<b>Ratings:</b>	Input Voltage (nominal): 220-240V Input Frequency : 45-65Hz Output Voltage : +/-3% of nominal regulation Output Frequency : +/-3Hz online See attached specification for more details.
<b>Service Restrictions:</b>	Unit Certification is required for this product if it is to be used for propulsion control and safety systems as required by 4-9-7/13.3 of the Rules. 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.
<b>Comments:</b>	Not Applicable
<b>Notes / Documentation:</b>	Nemko test reports: 125905A & 125905B, CENTRIA test reports: 03102009.21 (vibration and condition 1kVA) & 17082009.21 (vibration and condition 3kVA), Eaton Power Quality -Environmental type test for 1& 3kVA UPS units, Shenzhen EMTEK Co., Ltd test report no: E08006008E Eaton 9130 User Manual, Eaton 9130 Datasheet.
<b>Term of Validity:</b>	This product/model is covered under Product Design Assessment (PDA) Certificate # 10-LD595883-DUP, dated 11/Jun/2010. This PDA Certificate expires 10/Jun/2015. It will remain valid for 5 years from date of issue or until the Rules or specifications used in the assessment are revised (whichever occurs first). It is

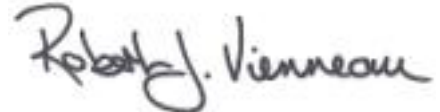
valid for all vessels contracted on or before the date of the Rules used in this evaluation.

**ABS Rules:**

ABS Steel Vessel Rules (2010) 1-1-4/7.7, 4-9-7/Table 9 & 10

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

<b>Model Certificate</b>	<b>Model Certificate No</b>	<b>Issue Date</b>	<b>Expiry Date</b>
PDA-DUP	10-LD595883-DUP	11/JUN/2010	10/JUN/2015


**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.