



Toshiba 1600EP Series Operation Manual

Battery cabinet system single phase- 8/10/14/18 kva

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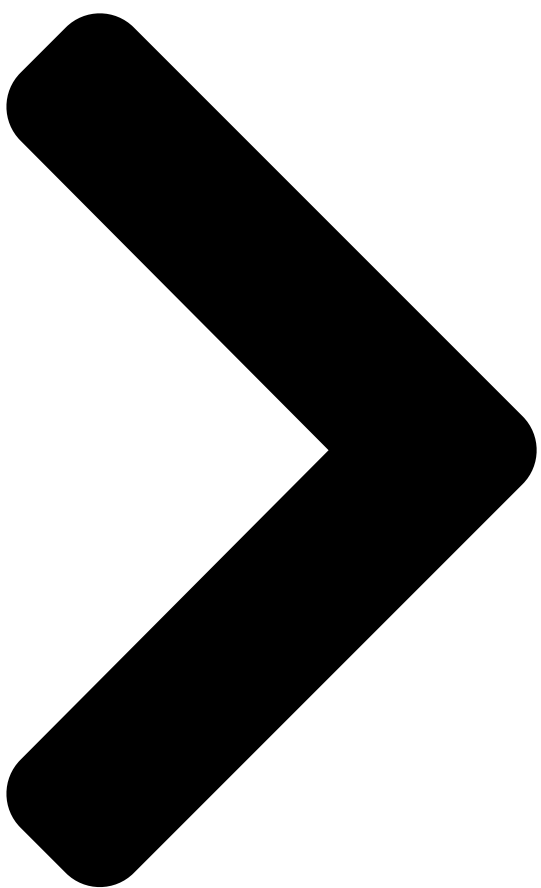
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TOSHIBA

BATTERY CABINET SYSTEM

SINGLE PHASE- 8/10/14/18 kVA

1600EP SERIES

MANUFACTURED IN THE U.S.A.

OPERATION MANUAL

August 2003

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Summary of Contents for Toshiba 1600EP Series

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[Page 2](#) TOSHIBA 1600EP SERIES SINGLE PHASE- 8/10/14/18 kVA BATTERY CABINET SYSTEM
OPERATION MANUAL TOSHIBA INTERNATIONAL CORPORATION INDUSTRIAL DIVISION 13131
West Little York Rd., Houston, Texas 77041...

[Page 3](#) Should further information be desired or particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to the local Toshiba sales office. The contents of this instruction manual shall not become a part of or modify any prior or existing agreement, commitment, or relationship.

[Page 4](#) TOSHIBA GENERAL SAFETY INSTRUCTIONS Warnings in this manual appear in any of four ways: Danger- The danger symbol is a lightning bolt mark enclosed in a triangle which precedes the 3/16' high letters spelling the word "DANGER". The danger symbol is used to indicate imminently hazardous situations, locations, and conditions which, if not avoided, WILL result in death, serious injury, and/or severe property damage.

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TOSHIBA TABLE OF CONTENTS GENERAL SAFETY INSTRUCTIONS 3 TABLE OF CONTENTS 4 IMPORTANT SAFETY INSTRUCTIONS5 IMPORTANT SAFETY INSTRUCTIONS6 Inspection/Storage/Disposal7 1.1 Inspection of the new Battery System..... 7 1.2 Storage of Battery equipment7 1.3 Disposal.....

[Page 6: Important Safety Instructions](#)

Misuse of this equipment could result in human injury and equipment CAUTION damage. In no event will Toshiba Corporation be responsible or liable for either indirect or consequential damage or injury that may result from the use of this equipment.

[Page 7](#) TOSHIBA IMPORTANT SAFETY INSTRUCTIONS Proper maintenance to the battery system of this unit must be done by a WARNING qualified service technician, this is essential to the safety and reliability your UPS system. Refer to service manual. A battery can present a risk of electrical shock and high short DANGER circuit current.

[Page 8: Inspection/Storage/Disposal](#)

It is illegal to dump lead-acid batteries in landfills or dispose of improperly. Please help our Earth by contacting the environmental protection agencies in your area, the battery manufacturer, or call Toshiba toll-free at (800) 231-1412 for more information about recycling.

[Page 9: Precautions](#)

This will result in damage to the UPS, the Battery System, or both. Call your Toshiba representative if you should have any questions. 2) Before connecting the Battery System to the UPS; move (MCCB2 of the battery system) switch (ON/OFF), on the rear panel (See Sections 4 &...

[Page 10: Operating Precautions](#)

TOSHIBA Operating Precautions 1) The UPS should not be powered up until the entire operation manual has been reviewed.

[Page 11: Ups Connections](#)

TOSHIBA 3.0 UPS Connections Power Connections The following illustration details the wiring connections from the power distribution panel (not part of the UPS) to the UPS unit and the Battery unit. This connection diagram is to be used with the following unit: UE31-BC-1825.

[Page 12: Connection Instructions And Diagrams](#)

TOSHIBA 4.0 Connection Instructions and Diagrams 14 & 18kVA Battery Connections The following illustrations details the wiring connections between the UPS and the Battery Unit. DANGER Contacts are not rated with interrupting capacity. DO NOT attempt to connect the UPS to the Battery Cabinet without having the MCCB switch on the rear panel of the Battery Unit, in the OFF position.

[Page 13: Connection Instructions And Diagrams](#)

TOSHIBA 5.0 Connection Instructions and Diagrams 8 & 10kVA Battery Connections The following illustrations details the wiring connections between the UPS and the Battery Unit. DANGER Contacts are not rated with interrupting capacity. DO NOT attempt to connect the UPS to the Battery Cabinet without having the MCCB switch on the rear panel of the Battery Unit, in

the OFF position.

[Page 14: Preventive And Scheduled Maintenance / Part Replacement](#)

6.0 Preventive and Scheduled Maintenance / Part Replacement Preventive Maintenance
Toshiba's 1600 Plus Series of UPS battery cabinets have been designed to provide years of trouble-free operation requiring a minimum of preventive maintenance. The best preventive measure that the battery cabinet user can take is to keep the area around the unit, particularly the air inlet vents, clean and free of moisture and dust accumulations.

[Page 15: External Layouts / Dimensions / Shipping Weights](#)

TOSHIBA 7.0 External Layouts / Dimensions / Shipping Weights External Layouts Dimensions
Model 39.1 IN. 17.5 IN. 34.8 IN. 35.6 IN. 3.47 IN. UE31-BC-1825 (992 MM) (445 MM) (885 MM)
(904 MM) (88 MM) Shipping Weights Model Pounds Kilograms UE31-BC-1825 620 lbs.

[Page 16: Emergency Power Off \(Epo\) Connections](#)

TOSHIBA 8.0 Emergency Power Off (EPO) Shunt Trip A shunt trip for the DC breaker on the battery cabinet is provided. This device is operated with an applied voltage of 120VAC (supplied from the UPS). When this voltage is applied, the shunt trip will cause the breaker to switch to the OFF position disabling the battery cabinet.

This manual is also suitable for:

[Ue31-bc-1825](#)