



Toshiba 1600EP Series Operation Manual

Battery cabinet system single phase – 3.6/6.0 kva

1

2

3

4

Table Of Contents

5

6

7

8

9

10

11

12

13

14

15

16

17

18
19
20
21
22

c	
---	--

•

•

Bookmarks

--

[Download this manual](#)

Quick Links



TOSHIBA

B

C

S

ATTERY

ABINET

YSTEM

S
P
– 3.6/6.0 kVA
INGLE
HASE

1600EP S
ERIES
B

C
ATTERY
ABINET
O

M
PERATION
ANUAL

March 2008
Part# 55339-001

[Table of Contents](#)

[Next Page](#)

1
2
3
4
5

Related Manuals for Toshiba 1600EP Series

[Power Supply Toshiba 1600EP Series Instruction Manual](#)

Single phase - 3.6-rohs/3.6/6/8/10/14/18/22 (64 pages)

[UPS Toshiba 1600EP SERIES Instruction Manual](#)

(58 pages)

[UPS Toshiba 1600EP Series Operation Manual](#)

Battery cabinet system single phase- 8/10/14/18 kva (16 pages)

[UPS Toshiba 1600EP Series Quick Installation Manual](#)

(4 pages)

[UPS Toshiba 1600 Series Product Specifications](#)

3.6kva 208/240v in - 208/240/120v out tower hardwire solution (3 pages)

[UPS Toshiba 1600 Series Product Specifications](#)

Uninterruptible power systems, 3.6kva 240v in - 240v out tower maintenance bypass solution (2 pages)

[Power Supply Toshiba 1600EP User Manual](#)

Single phase uninterruptible power supply system (2 pages)

[UPS Toshiba 1600 Series Instruction Manual](#)

Single phase - 2.4/3.6/6/8 kva plus (49 pages)

[UPS Toshiba UNINTERRUPTIBLE POWER SYSTEM 1600XP Installation And Operation Manual](#)

Single phase - 3.6/6/8/10/14/18/22 kva (90 pages)

[UPS Toshiba 1600XP Specifications](#)

Single phase uninterruptible power systems (9 pages)

[UPS Toshiba 1600XP Series Quick Installation Manual](#)

(4 pages)

[UPS Toshiba 1600XP SERIES Installation And Operation Manual](#)

1600xp series single phase - 3.6/6/8/10/14/18/22 kva (100 pages)

[UPS Toshiba 1600XP SERIES Installation And Operation Manual](#)

8-22kva battery cabinet (22 pages)

[UPS Toshiba 1600XP SERIES Installation And Operation Manual](#)

(140 pages)

[UPS Toshiba 1600XPi Series Installation And Operation Manual](#)

8-22kva battery cabinet (23 pages)

[UPS Toshiba 1600XPi Series Installation And Operation Manual](#)

Single phase - 3.6/5.2/6/8/10/14/18/22 kva (140 pages)

Summary of Contents for Toshiba 1600EP Series

[Page 1](#) TOSHIBA BATTERY CABINET SYSTEM - 3.6/6.0 KVA SINGLE PHASE 1600EP SERIES BATTERY CABINET OPERATION MANUAL March 2008 Part# 55339-001...

[Page 2](#) TOSHIBA 1600EP Series Battery Cabinet Operation Manual...

[Page 3](#) TOSHIBA 1600EP SERIES SINGLE PHASE- 3.6/6.0 KVA BATTERY CABINET SYSTEM OPERATION MANUAL TOSHIBA INTERNATIONAL CORPORATION INDUSTRIAL DIVISION 13131

[Page 4](#) BATTERY CABINET SYSTEM If additional information or technical assistance is required call Toshiba's Customer Support Center toll free at 1-877-867-8773 or write to: Toshiba International Corporation, 13131 W. Little York Rd., Houston, TX 77041-9990. Please complete the following information for your records and keep this manual with the...

[Page 5: Table Of Contents](#)

Emergency Power Off (EPO)	10	Shunt Trip.....	10	EPO Connection Diagram.....	10
External Layouts / Dimensions / Shipping Weights	11	External Layouts	11	Dimensions	11
Shipping Weights	11	1600EP System Backup Runtime.....	12	1600EP Series Battery Cabinet Operation Manual...	

[Page 6](#) TOSHIBA 1600EP Series Battery Cabinet Operation Manual...

[Page 7: General Safety Instructions](#)

Explosion warnings- The explosion warning symbol is an explosion mark enclosed in a triangle. The Explosion warning symbol is used to indicate locations and conditions where molten, exploding parts may cause serious injury or death if the proper precautions are not observed: 1600EP Series Battery Cabinet Operation Manual...

[Page 8: 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 9: Important Battery Safety Instructions](#)

Use proper lifting means when moving batteries and wear all appropriate safety clothing and equipment. Do not dispose of lead acid batteries except through channels in accordance with local, state and federal regulations. 1600EP Series Battery Cabinet Operation Manual...

[Page 10: Instructions Importantes Concernant La Sécurité](#)

Por le remplacement, utiliser le même nombre de batteries du modèle ATTENTION suivant. Model Capacity Manufacturer Type Quantity UE31-BC-0650 ENERSYS NPX-35 L'élimination des batteries est réglementée. Consulter les codes ATTENTION locaux à cet effet. 1600EP Series Battery Cabinet Operation Manual...

[Page 11: 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 (877) 867-8773 for more information about recycling.

[Page 12: 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; switch the ON/OFF switch MCCB2, located on the rear panel of the battery system to the OFF position.

[Page 13: Ups Power Connections](#)

4. Connect cabinet 2 CN14A to cabinet 1 CN24. Battery Cabinet Cabling The battery cabinets ship with a set of six-foot long cables. Contact Toshiba Customer Support at 1-877-867-8773 if longer cables are required for your application, or if additional cables or connectors are required.

[Page 14: Connection Instructions And Diagrams 3.6/6.0 Kva](#)

CN14 of the UPS (and CN14A of battery cabinet 2 to CN24 of battery cabinet 1 if paralleling two cabinets). NOTE: Without this connection the battery cabinet will not be able to charge its batteries. 1600EP Series Battery Cabinet Operation Manual...

[Page 15: Preventive And Scheduled Maintenance / Part Replacement](#)

TOSHIBA 5.0 Preventive and Scheduled Maintenance / Part Replacement Preventive Maintenance Toshiba's 1600EP 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 16: Power Cables](#)

UPS. By completing the circuit, the shunt trip will cause the breaker on the battery cabinet as well as the one on the UPS to switch to the OFF position disabling both the battery cabinet and the UPS. Terminal Block TB1 on the 1600EP UPS 1600EP Series Battery Cabinet Operation Manual...

[Page 17: External Layouts / Dimensions / Shipping Weights](#)

External Layouts Dimensions Model 27.12 in. 12.90 in. 25.70 in. 24.70 in. 2.50 in. UE31-BC-0650 (688.8 mm) (327.7 mm) (652.8 mm) (627.4 mm) (63.5 mm) Shipping Weights Model Pounds Kilograms UE31-BC-0650 380 lbs. 172.4 kg 1600EP Series Battery Cabinet Operation Manual...

[Page 18: 1600Ep System Backup Runtime](#)

Table 1: Estimated Runtime of UPS with Battery Cabinet at Various Loads Rated Load 100% 90% 80% 70% 60% 50% 40% 30% 20% 1600EP 3.6 kVA 1600EP 6 kVA 1600EP 3.6 kVA <300* 1600EP 6 kVA * Estimated Runtime Exceeds 300 minutes. 1600EP Series Battery Cabinet Operation Manual...

[Page 19](#) TOSHIBA 1600EP Series Battery Cabinet Operation Manual...

[Page 22](#) INDUSTRIAL DIVISION 13131 West Little York Rd., Houston, TX 77041 Tel: 713/466-0277 Fax 713/466-8773 US 877/867-8773 Canada 800/872-2192 Mexico 01/800/527-1204 www.toshiba.com/ind Printed in the U.S.A.

This manual is also suitable for:

[Ue31-bc-0650](#)