



Toshiba PWU003Z Instruction Manual

Multi-loader, parameter writer

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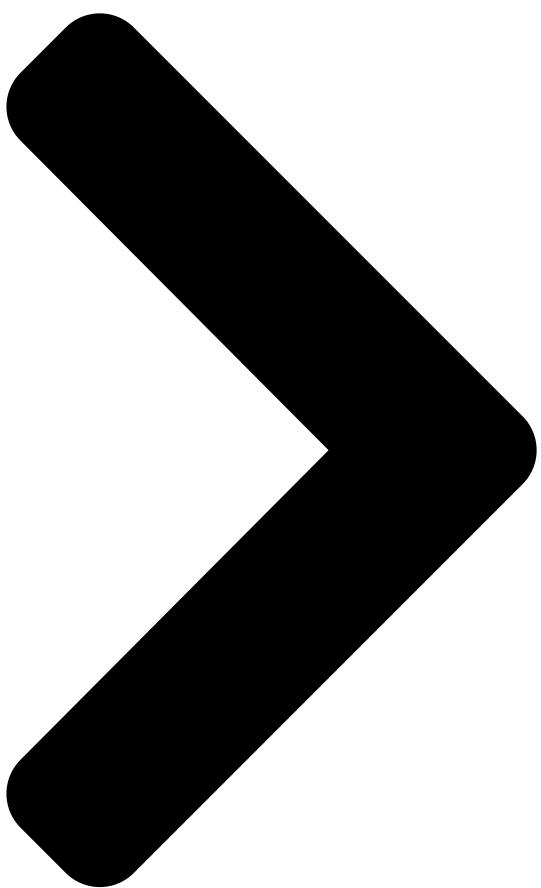
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[1 Setup Procedure](#)

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Parameter Writer Instruction Manual

1. Make sure that this instruction manual is delivered to the end user of the inverter.
- 2.

Read this manual before first using the communications function, and keep it handy as a reference for maintenance and inspections.

- 3.

All information contained in this manual are subject to change without notice. Please confirm the latest information on our web site "www.inverter.co.jp".

Multi-Loader

PWU003Z

Notice

E6581680

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Multi-loader parameter writer (26 pages)

[Inverter Toshiba PDP002Z Function Manual](#)

Profibus-dp option (28 pages)

[Inverter Toshiba TOSVERT VF-nC3E Instruction Manual](#)

Industrial inverter (for 3-phase induction motors) (253 pages)

[Inverter Toshiba VF-NC3C Instruction Manual](#)

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(33 pages)

[Inverter Toshiba TOSVERT VF-PS1 Instruction Manual](#)

Variable torque inverter (317 pages)

Summary of Contents for Toshiba PWU003Z

Page 1 E6581680 Multi-Loader Parameter writer Instruction Manual PWU003Z Notice 1. Make sure that this instruction manual is delivered to the end user of the inverter. Read this manual before first using the communications function, and keep it handy as a reference for maintenance and inspections.

Page 2: Safety Precautions

E6581680 Safety precautions On the inverter and in its instruction manual, important information is contained for preventing injuries to users, damages to assets, and for proper use

of the inverter. Read the instruction manual attached to the inverter along with this instruction manual to completely understand the safety precautions, the symbols and indications shown below.

[Page 3](#) E6581680 Limitation of use Safety precaution Never use this unit with any inverter other than TOSVERT series inverters. Doing so may cause an accident. Handling in general Warning Never disassemble, modify or repair the product. Disassembling the product may cause electric shocks, fire or injuries. Never For repairs, call your sales/repair agency.

[Page 4](#) E6581680 Operations Warning Do not apply a dropping shock or other physical shocks. Otherwise, damage or malfunction will result. Prohibited Do not pull on the cable and connector It may cause damage or error. Do not bring any regions of your body into contact with the inverter terminals when power is supplied to the inverter.

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[Page 6: Setup Procedure](#)

E6581680 1. Setup procedure Parameter writer Thank you for purchasing (PWU003Z) for TOSVERT series inverters. Parameter writer Before using , carefully read this instruction manual in order to completely and correctly utilize Parameter writer's excellent performance. After reading this instruction manual, please keep it handy for future reference.

[Page 7: Introduction](#)

E6581680 2. Introduction The Parameter writer "PWU003Z" is a standalone tool for transferring configuration files to inverters with their power on or off. •The Parameter writer is used to set inverter parameters by loading a configuration file onto the inverter(s).

[Page 8: Receipt Of The Parameter Writer](#)

Check that the product reference printed on the label is the same as that on the delivery note. This should also correspond with the number on the purchase order. Contents of the Parameter writer box (PWU003Z) Check that the Parameter writer box contains the following:...

[Page 9: Presentation](#)

E6581680 3.1. Presentation 27.4 TOSHIBA (mm) Figure 1 Approximate weight 250 g (including batteries)

[Page 10: Description](#)

E6581680 3.2. Description TOSHIBA Figure 2 Letter Description Comments The connection between the Parameter writer (USB Mini-B USB connector Mini-B type) and the PC (USB type A) is via a 1 m (3.28 feet) USB type A to Mini-B cable.

[Page 11](#) E6581680 Data storage One SD card is supplied with the Parameter writer. Any standard SD card and SDHC card are compatible with the explanation) Parameter writer. (SD card is used in this instruction manual for The SD card format must be FAT32. Language The menus are in English, Japanese, Spanish, German, Italian and French.

[Page 12: Connecting The Parameter Writer](#)

E6581680 4. Connecting the Parameter writer This section describes the various ways of connecting the Parameter writer. Default language is set to English. Refer to section 6.9 and change the language setting, according to need. 4.1. Connection to a PC There are two ways of storing files on the SD card: -Insert the SD card in the Parameter writer and connect the Parameter writer to the PC via the standard USB type A to Mini-B cable (see Figure 3)

[Page 13: Connection To An Inverter](#)

E6581680 4.2. Connection to an inverter Parameter files can be transferred to the inverter in whichever A and B condition. A. When the inverter is off, the Parameter writer is powered B.

When the inverter is on, the Parameter writer is powered by the inverter via the RJ45 cable.

[Page 14: Configuration Transfers](#)

E6581680 5. Configuration transfers 5.1. Loading a configuration from an inverter This procedure allows the user to retrieve a configuration file ("LOADFRMD00.CFG" to "LOADFRMD99.CFG") from an inverter and load it onto the Parameter writer's SD card. Main menu Action Action Config MLD ->...

[Page 15: Transferring The Configuration To An Inverter](#)

E6581680 5.2. Transferring the configuration to an inverter This procedure allows the user to select the configuration file to be transferred to the inverter. The user must already have: - Loaded the inverter configuration file ("*.CFG") onto the Parameter writer (see section - Generated the configuration file using PCM software and loaded this file onto the Parameter writer Main menu Action...

[Page 16: Transferring The Configuration To More Than One Inverter Using Quick Store](#)

E6581680 5.3. Transferring the configuration to more than one inverter using Quick Store This procedure describes how to use the Quick Store function (see section 6.4) to duplicate configurations. The user must already have: -Loaded the inverter configuration file (*.CFG) onto the Parameter writer (see section -Generated the configuration file using PCM software and loaded this file onto the Parameter writer (filename1, filename 2, etc.) STEP...

[Page 17: Parameter Writer Menus](#)

E6581680 6. Parameter writer menus 6.1. Parameter writer main menu On power-up, the "Parameter writer / Version "x.x"" menu is displayed on the screen. The diagram below shows the various menus that can be accessed from the Parameter writer main menu. Main menu / Action accesses the following functions: -Load from Parameter writer to inverter -Load from inverter to Parameter writer...

[Page 18: Action: Load Configuration From Parameter Writer To Inverter](#)

E6581680 6.2. Action: Load configuration from Parameter writer to inverter The diagram below shows the "Action Config / MLD -> Device" menu accessible from "Main menu / Action". "Action Config / MLD -> Device" : This menu accesses the transfer function for loading configurations from the Parameter writer to the inverter.

[Page 19: Action: Load Configuration From Inverter To Parameter Writer](#)

E6581680 6.3. Action: Load configuration from inverter to Parameter writer The diagram below shows the "Action Config / Device -> MLD" menu accessible from "Main menu / Action". "Action Config / Device -> MLD" : This menu accesses the transfer function for loading configurations from the inverter to the Parameter writer.

[Page 20: Quick Store Mode](#)

E6581680 6.4. Quick Store mode This mode is used to transfer the latest configuration file (See section 5.2). (1) The diagram below shows the Quick Store mode, which can be accessed after using either of the "Action Config / MLD ->...

[Page 21: Supervision](#)

E6581680 6.5. Supervision The diagram below shows the device main menu, accessible from "Main menu / Device". This supervisory menu is used to check the reference and version of the inverter connected to the Parameter writer. "Device Type" : This menu accesses the reference of the connected inverter. "Device SW version"...

[Page 22: Parameter Settings: Batteries](#)

E6581680 6.6. Parameter settings: Batteries The diagram below shows the "Parameters / Battery" menu accessible from "Main menu / Parameters". "Battery / Charge level" : This menu displays the Parameter writer charge level. "Battery / Alarm level" : This menu is used to set message activation at a particular charge level. It warns the user about the battery charge status according to the set value (see message fault detected on section 6.7).

[Page 23: Parameter Settings: Diagnostics](#)

E6581680 6.7. Parameter settings: Diagnostics The diagram below shows the "Parameters / Diagnostic" menu accessible from "Main menu / Parameters". "Diagnostic / Fault History" : This menu accesses the detected fault history. "Diagnostic / Clear Faults" : This menu is used to clear the detected fault history Parameters Diagnostic Diagnostic...

[Page 24: Parameter Settings: Password](#)

E6581680 6.8. Parameter settings: Password "Parameters / Password FW" For factory use only.
6.9. Parameter settings: Display The diagram below shows the "Parameters / Display" menu accessible from "Main menu / Parameters". "Display / Contrast" : This menu is used to set the display screen contrast. "Display / Backlight"...

[Page 25: Specifications](#)

E6581680 7. Specifications Item Specifications Part number PWU003Z Applicable model VF-nC3 or successor Note) Applicable OS Windows XP, Windows Vista, or Windows 7 Communication setting automatic detection Communication Communication baud rate : 4800, 9600, 19200, 38400 bps setting Parity : Non / Even / Odd parity...