TOSHIBA

Toshiba APG001Z Instruction Manual

Apogee fln option unit

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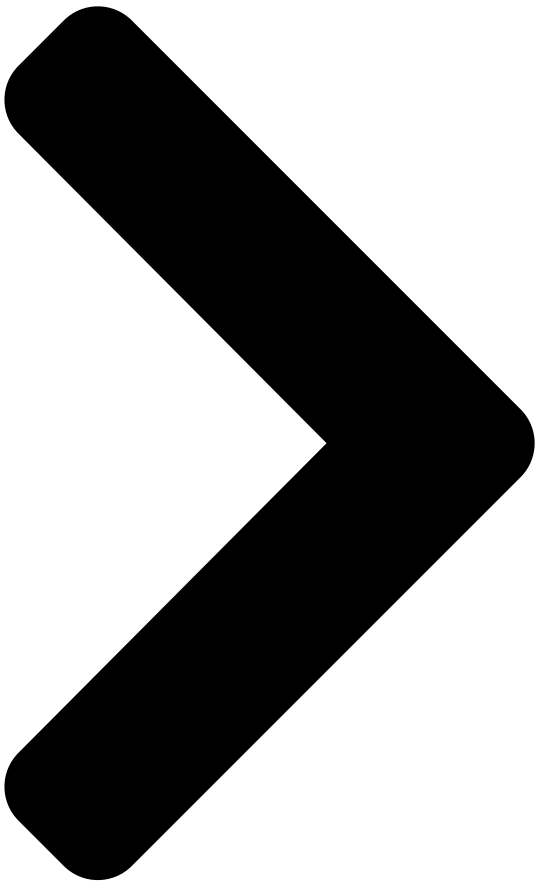

TOSVERT VF-AS1 series

APOGEE

FLN option unit Instruction Manual

®

1. Make sure that this instruction manual is delivered to the end use r of APOGEE ® FLN option unit.
2. Read this manual before installing or operating the APOGEE ® FLN optio n unit. Keep it in a safe place for reference.
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".

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Related Manuals for Toshiba APG001Z

Recording Equipment Toshiba APOGEE FLN APG001Z Function Manual

Option unit for tosvert vf-ps1 series inverter (28 pages)

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(27 pages)

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(18 pages)

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Metasys n2 option unit (14 pages)

Power Supply Toshiba TOSVERT VF-AS1 Instruction Manual

Commercial power supply backup and commercial power supply/inverter switching (10 pages)

Summary of Contents for Toshiba APG001Z

Page 1 TOSVERT VF-PS1 series APOGEE FLN option unit Instruction Manual ® APG001Z NOTICE 1. Make sure that this instruction manual is delivered to the end use r of APOGEE ® FLN option unit. 2. Read this manual before installing or operating the APOGEE ® FLN optio n unit.

Page 2 E6581541② 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 device. 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 E6581541② Limitation of use Safety precaution Never use this unit with any device other than TOSVERT VF-PS1 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 E6581541② Wiring Caution Electrical construction work must be done by a qualified expert. Connection of input power by someone who does not have expert knowledge may result in electric shocks or fire. Turn off input power before wiring. Wait at least 15 minutes and make sure that the charge lamp (on the inverter unit) is no longer lit.

Page 5 E6581541② Preface ® Thank you for purchasing the " APOGEE FLN option (APG001Z)" for TOSVERT VF-PS1 inverter. By Installing this board into the VF-PS1, data communication can be made with a host computer or ® other device via APOGEE FLN network.

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Page 7: Overview

E6581541② 1. Overview ® The APOGEE FLN interface (APG001Z) allows the VF-PS1 inverter to be connected into a ® APOGEE FLN network. APG001Z is applicable for VF-PS1 software version V620 or later. 2. Names and functions The drawing below shows names and functions of main parts.

Page 8: Led Indicator

(Red) State LEDs Comment COM LED: OFF APG001Z failure. ERR LED: Flashing 5 times in 1 second Communication loss was detected. COM LED: OFF Confirm the network condition and ERR LED: 3 times in 2 seconds, OFF for 1 second connection of the cable.

Page 9: Installing The Apg001Z

E6581541② Installing the APG001Z ® APOGEE VF-PS1 Install the option to as follows. Turn off the input power of VF-PS1 and wait for at least 15 minutes and then check that the CHARGE lamp on VF-PS1 is no longer lit.

Page 10: Case Of Installing Two Options

E6581541② 3.1. Case of installing two options Please install this option (APG001Z) on the top of options when you install two options. Do not install under the another option. 3.2. Network cable connection ® Connect the APOGEE FLN network cable to communication option as follows.

Page 11: Network Configuration

* It is recommended that the Siemens Building Automation FLN Trunk Terminator (PN: 538-664) be used and that the network termination switch on the APG001Z, SW102, be set to OFF. At least one set, and no more than two sets, of network bias resistors shall exist for each segment.

Page 12: Parameters

E6581541② 4. Parameters 4.1. Communication parameters Set up the inverter parameters as follows. To update, reset of inverter. If these parameters are not set to correct value, this unit can not work normally. Commu Factory Title nication Function Description setting 0: 9600bps,1: 4800bps,2: 9600bps 3: 19200bps,4: 38400bps, 0831...

Page 13: Command & Setpoint Selection (Local/Remote)

E6581541② 5. Command & Setpoint selection (Local/Remote) Indication to display Local/Remote mode is on the inverter unit (Refer to the inverter ® instruction manual for details). APOGEE FLN option command and setpoint are activated on Remote mode. Inverters have some switches to select the command and setpoint location. Following figure shows the diagram.

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E6581541② Example> < The example below shows how to configure the VF-PS1 for local/remote operation. F terminal..... Operating command R terminal ....The APOGEE ® FLN local/remote (Terminal in this example) switching RR/S4 terminal..Operation frequency command <Wiring> VF-PS1 Variable resistor for adjustment 10k ohm RR/S4 Operation command...

Page 15: Specifications

2 4 V D C s u p p l i e d f r o m t h e i n v e r t e r P o we r s u p p l y <APG001Z network specification > Item...

This manual is also suitable for:

Tosvert vf-ps1Apogee vf-ps1 seriesApogee apg001z