Programming Yaskawa Inverters

File number: 60-PROG-0001

Revision: 1.0

October 28, 2024



Contents

1.	Purpose	2
2.	Equipment and Materials	2
3.	Downloading the Program	3
4.	Revision History	8

1. Purpose

Provide instructions on downloading the program onto Yaskawa inverters.

2. Equipment and Materials

#	Item No.	Item Name	Figure	QTY
1.	09-CABL-9033	CABLE, USB-2.0 TO MINI USB, 1m		1
		Laptop with these System Requirements:		
2.	-	 Intel[®] Core i3 or equivalent processor 		
		 Microsoft[®] Windows[®] 10 or higher 		1
		 16GB or more recommended memory 		
		Minimum screen resolution of 1280 x 800		
		 1.5 GB of available disk space 		

The Drive Programming & Commissioning Tool used in this procedure is **'DriveWizard Industrial'** by YASKAWA. It can be downloaded from the following link:

https://www.yaskawa.com/products/drives/industrial-ac-drives/industrial-softwaretools/drivewizard-industrial

3. Downloading the Program

1. Locate the correct port for the cable within the three inverters. The ports are located on the top right, under a cover which can be moved upwards to reveal the port, as shown in figure 2.



Figure 1: The Three Inverters



Figure 2: Cable Port Location

2. Plug the cable into the above-mentioned port.



Figure 3: Plugged Cable

3. Once the cable is plugged in, open the program on a connected computer.

Yistava DirveWizard Industrial	1 ^
Line Line	
IWA	www.yaskawa.com
Welcome to Drive/Wizard [©] Industrial Mean select from the following options Start of New Yriget: Open Projet:	mments, Suggestions of Bugs

Figure 4: Program Starting Page



4. In the toolbar, click Open. A selection menu opens.



5. In the menu, select the correct project file. The Project Information window opens.

Open Project File			C. S. C. S. C. S. C. S.	X
G - I + Titone Int	Invertor •		- 4 Search Invert	or P
Organize • New folder				0
Favorites	Name	Date modified	Туре	Size '
Downloads	👢 Old	08/11/2022 14:50	File folder	
S Recent Places	Cutter TR2 Inverter	08/11/2022 14:52	DriveWizard Indus	132 KB
OneDrive - Persor	Indexer TR2 Inverter	08/11/2022 15:00	DriveWizard Indus	132 KB
=	Vacuum TR2 Toverter	08/11/2022 14:55	DriveWizard Indus	132 КВ
Documents Music Pictures Videos Computer	Size: 131 KB Date modified: 08/	Industrial Project File		
😂 OS (C:)				
🛸 shared (\\Ad) (N:) 🍷 🤞	Contraction of the second second	III		•
File name:			DriveWizard Industr Open	rial Proje 👻 Cancel

Figure 6: Selection Menu

6. In the Project Information window, click Ok. The Overview window opens.



Figure 7: Project Information Window

7. In the Overview window, the GA500 parameters (marked in red) indicate that it is working.

y-Stick	Prive Selection & Communication Setup Quick Access	Nort Welcome Parameter Para Menu Overview Ope	ameter Startup rations Tools View	Application Options Help Wizard Documents
0	erview Export E-Mail			
O Pre	view Print De Edit Parameter			
Glick Preview	w to review parameter or monitor print-out.			
		Parameter	Groupe	
Paramet	er Groups GA500	T didition of	Sioupa	
-	- anameter	Working Ve	lue	
A1-01	Access Level Selection	2	lue	Info (Working Value)
A1.02	Control Method Selection	2		Advanced Level
A1.04	Initialize Parameters	0		V/f Control
A1.05	Password	0		No Initialization
A1.06	Password Setting	0		
A1.07	Application Preset	0		
A1.12	DriveWorksEZ Function Selection	0		General-purpose
A2-01	Divelooth ID	1045		DWEZ Disabled
A2-02	User Parameter 1	1915		
A2-03	User Parameter 2	A1-02		Control Method Soloction
A2-04	User Parameter 3	01-01		Frequency Reference Selection
A2-05	User Parameter 4	01-02	Da la	Run Command Calast
A2-06	User Parameter 5	b1-03		Stopping Mathed 9
A2-07	User Parameter 6	C1-01		Accelerate T
A2-08	User Parameter 7	C1-02		Deseleration Time 1
A2-09	User Parameter 8	C6-01		Deceleration Time 1
A2-10	User Parameter 9	C6-02		Normal / Heavy Duty Selection
42-11	User Datameter 10	d1-01		Carrier Frequency Selection
	and Faranseer 11	d1-02		Reference 1
and the second s	Action Security	d1-03		Reference 2
				Reference 3
	Working Va	then be an in the second second	1100000	



8. In the toolbar, click Write Parameters. The Drive Scanning Results window opens.



Figure 9: Write Parameters Icon

9. In the Drive Scanning Results window, click Close. The program is downloaded onto the inverters.

Drive Scanning Re	sults	×
Automatic Scann	ing Results:	
Drive Series:	GA500	
Software Version:	01015	
Model:	CIPR-GA50*B010****	
Control Method:	V/f Control	
Show Information	Dialog	
		Close

Figure 10: Drive Scanning Results Window

4. Revision History

Date	Comments	Revision
January 26, 2023	Draft	-
March 28, 2024	First Release	1.0