

Procedimento para ajuste de tensão AC no inversor PVI-10 e 12.5 kW da Fimer

Para fazer o ajuste de tensão AC nos inversores da linha TRIO-20 e 27.6kW, primeiro é necessário ter em mãos a foto da etiqueta do inversor no caso a parte superior, Power-Module (parte de cima).

The diagram shows a label with the following information and callouts:

- TRIO-XX.X-TL-OUTD-Y-400**: Inverter model
 - XX.X = Inverter power rating:
 - Y = Wiring box model
- P/N: P/P/P/P/P/P/P/P**: Inverter Part Number
- SN: YYWWSSSSSS WK: WWYY**: Week/Year of manufacture
 - YY = Year of manufacture
 - WW = Week of manufacture
 - SSSSSS = sequential number
- WO: XXXXXXXX**: Inverter Serial Number composed of:
 - YY = Year of manufacture
 - WW = Week of manufacture
 - SSSSSS = sequential number
- SO: SXXXXXXX Q1**

Onde será necessário os últimos 6 números de série do inversor e WK (semana e ano de fabricação).

Depois acessar o site de registro para criar a senha de segundo nível : <https://registration.solar.fimer.com/>

Nesse site é necessário criar um login seguindo o processo abaixo, caso já possua um login nesse site digitar o e-mail e a senha apenas e seguir com as etapas mais abaixo. Caso não possua o login e senha criar um, seguindo o procedimento anexo.

The screenshot shows the registration page with the following elements:

- Search bar: Corporate
- Navigation: Home, About ABB, Support, Investor Relations, Careers
- Language: English
- Welcome message: Welcome to the registration page!
- Registration instructions: Sign up to receive a password which will allow you to enter the reserved area where you can download the advanced configuration SW and inverter FW updating. This password will also allow you to enter the configuration SW of inverters as "Installer".
- Registration form:
 - Not registered? Go to the registration page, enter your details and you will receive an email with the password to access to all services. [Sign Up!]
 - Enter your parameters to access to the services reserved for you: Username: [], Password: [] [Login]
 - Have you forgotten your password? Enter your details and we will send you an email with your password. [Remember me]

Fazendo a senha de 2º nível, selecionar o modelo do inversor, digitar os últimos 6 números de série e o WK nos campos abaixo.

The screenshot shows the password request form with the following elements:

- Search bar: Corporate
- Navigation: Home, About ABB, Support, Investor Relations, Careers
- Language: English
- Buttons: Requests history, Request password inverter, Download, User options, Logout
- Instructions: In order to request the service password you have to insert the model of the inverter (which can be selected in the pull-down list), the S/N (serial number), the WK/YR (week/year of production of the inverter) and the Update Ver.. This information is available on the display of the inverter: S/N and WK/YR in the menu "INFORMATION – Serial Number"; the Update Ver. in the menu "INFORMATION – Firmware – Update Ver."
- Rules for the Update Ver. field:
 - In case on the display the information Update Ver. is not present or it is "NONE", leave the field blank.
 - In case on the display the information Update Ver. is composed only of numbers:
 - if the year of production is 12 (2012) or lower, the information is mandatory for the password calculation and the field must be filled with the information as shown on the display.
 - if the year of production is 13 (2013) or higher, the information is not mandatory and the field can be left blank.
 - In case on the display the information Update Ver. includes a letter:
 - if the year of production is 12 (2012) or lower, leave the field blank taking care to insert as week/year of production 0113.
 - if the year of production is 13 (2013) or higher, leave the field blank taking care to insert week/year as shown on the inverter display.
- Form fields:

Inverter model:	Update Ver.:	S/N Inverter:	Week / year of production:	Note
PVI-10.0-TL-OUTD		123456	2020	

A senha será gerada, e com essa senha será possível fazer a alteração do range de tensão AC, lembrando que essa senha tem validade para 30 dias.

In order to request the service password you have to insert the model of the inverter (which can be selected in the pull-down list), the S/N (serial number), the WK/YR (week/year of production of the inverter) and the Update Ver.. This information is available on the display of the inverter: S/N and WK/YR in the menu "INFORMATION – Serial Number"; the Update Ver. in the menu "INFORMATION – Firmware – Update Ver."

The S/N of the inverter must be entered without the interposition of any digit, Update Ver. must be entered with the interposition of a dot.

About the value to insert:

1. In case on the display shows the year of production: - if the year of production is 2020, insert 2020
2. In case on the display shows the week and year of production: - if the year of production is 2020, insert 2020
3. In case on the display shows the week and year of production: - if the year of production is 2020, insert 2020

Le password richieste:

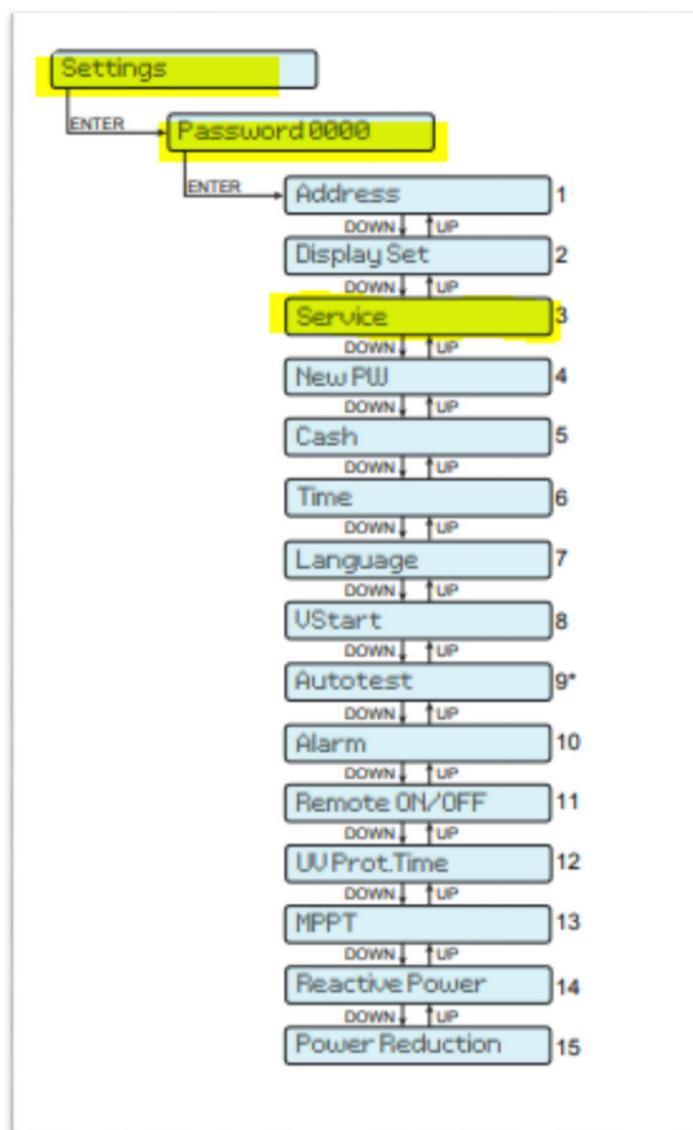
Inverter model:	S/N Inverter:	Week / year of production:	Password	Expire date
PVI-10.0-TL-OUTD	123456	2020	500257	2020-09-08

Ricordiamo che saranno valide a tutto il 09-08-20

Click on the window to close or wait 30 seconds

Inverter model:	Update Ver.:	S/N Inverter:	Week / year of production:	Note
PVI-10.0-TL-OUTD		123456	2020	
PVI-2000(-OUTD)-XX				

No inversor, acessar a tela do display navegar pelos menus abaixo.



No menu **Service** digitar a senha de segundo nível que foi gerada no site, no passo anterior.

Recomendamos sempre medir a tensão do lado AC e alterar de acordo os itens abaixo em destaque para tensão, entretanto em alguns lugares pode ser frequência também.

Recomendamos que nossos clientes utilizem o valor máximo de **tensão de até 264V**, e não ultrapassem desse valor.

Alterar as variáveis destacadas abaixo:

- U>>
- U>
- U> (10Min)
- Uconn>

Parameter	Description	Setting range
Set U>>	Grid over-voltage (OV) threshold (extended range)	Unom ... Unom x 1.3
Set U<<	Grid under-voltage (UV) threshold (extended range)	10V ... Unom
Set F>>	Grid over-frequency (OF) threshold (extended range)	Fnom ... Fnom + 5Hz
Set F<<	Grid under-frequency (UF) threshold (extended range)	Fnom - 5Hz ... Fnom
Set U>	Grid over-voltage (OV) threshold (restricted range)	Unom ... Unom x 1.3
Set U> (10Min)	Grid over-voltage (OV) threshold (average grid voltage value)	Unom ... Unom x 1.3
Set U<	Grid under-voltage (UV) threshold (restricted range)	10V ... Unom
Set F>	Grid over-frequency (OF) threshold (restricted range)	Fnom ... Fnom + 5Hz
Set F<	Grid under-frequency (UF) threshold (restricted range)	Fnom - 5Hz ... Fnom
Set Uconn>	Max. permissible voltage during checks prior to grid connection	Unom ... Unom x 1.3
Set Uconn<	Min. permissible voltage during checks prior to grid connection	10V ... Unom
Set Fconn>	Max. permissible frequency during checks prior to grid connection	Fnom ... Fnom + 5Hz
Set Fconn<	Min. permissible frequency during checks prior to grid connection	Fnom - 5Hz ... Fnom
Set Time U>>	Over-voltage U>> protection tripping time	0 ... 327670mS
Set Time U<<	Under-voltage U<< protection tripping time	
Set Time F>>	Over-frequency F>> protection tripping time	
Set Time F<<	Under-frequency F<< protection tripping time	
Set Time U>	Over-voltage U> protection tripping time	
Set Time U<	Under-voltage U< protection tripping time	
Set Time F>	Over-frequency F> protection tripping time	
Set Time F<	Under-frequency F< protection tripping time	
Set time conn 1	Grid check time prior to connection	0 ... 65535mS
Set time conn 2	Grid check time prior to connection after a grid fault	
Disable U>>	Disables the U>> protection threshold	Enabled/Disabled
Disable U<<	Disables the U<< protection threshold	
Disable F>>	Disables the F>> protection threshold	
Disable F<<	Disables the F<< protection threshold	
Disable U>	Disables the U> protection threshold	
Disable U> (10Min)	Disables the U> (10Min) protection threshold	
Disable U<	Disables the U< protection threshold	
Disable F>	Disables the F> protection threshold	
Disable F<	Disables the F< protection threshold	
U> (10Min) Der.	Enables power derating mode due to high average grid voltage readings	
Slow Ramp	Enables gradual ramping up of power after the grid connection.	0 Deration disabled

Para mais informações segue o link para acesso ao manual.

Link manual : https://library.e.abb.com/public/ec7c7475b2a94d4198643105bef1f731/PVI-10.0_12.5-TL-OUTDProduct%20manual%20EN-RevC%28M000023CG%29.pdf

Link para acesso a esse passo a passo feito via video do YouTube.
 Link : <https://www.youtube.com/watch?v=UVBEYYjNbuQ&t=214s>