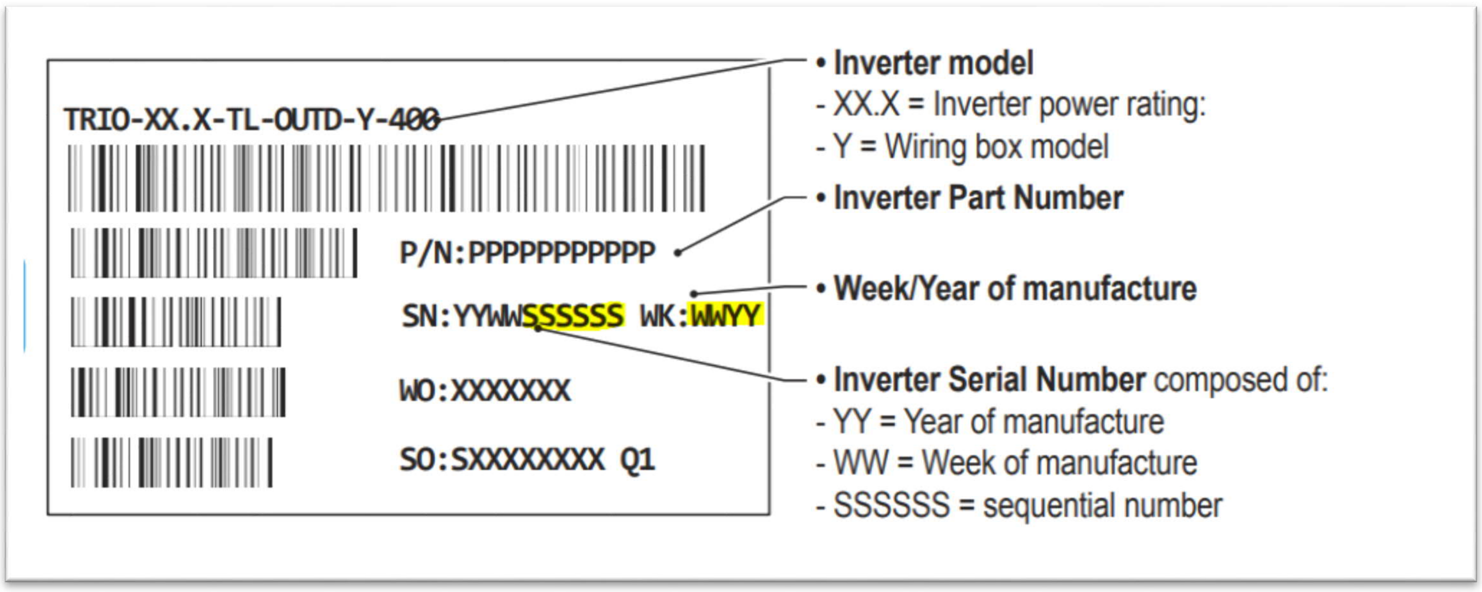
Procedimento para ajuste de tensão AC no inversor TRIO-20 e 27.6 kW da Fimer

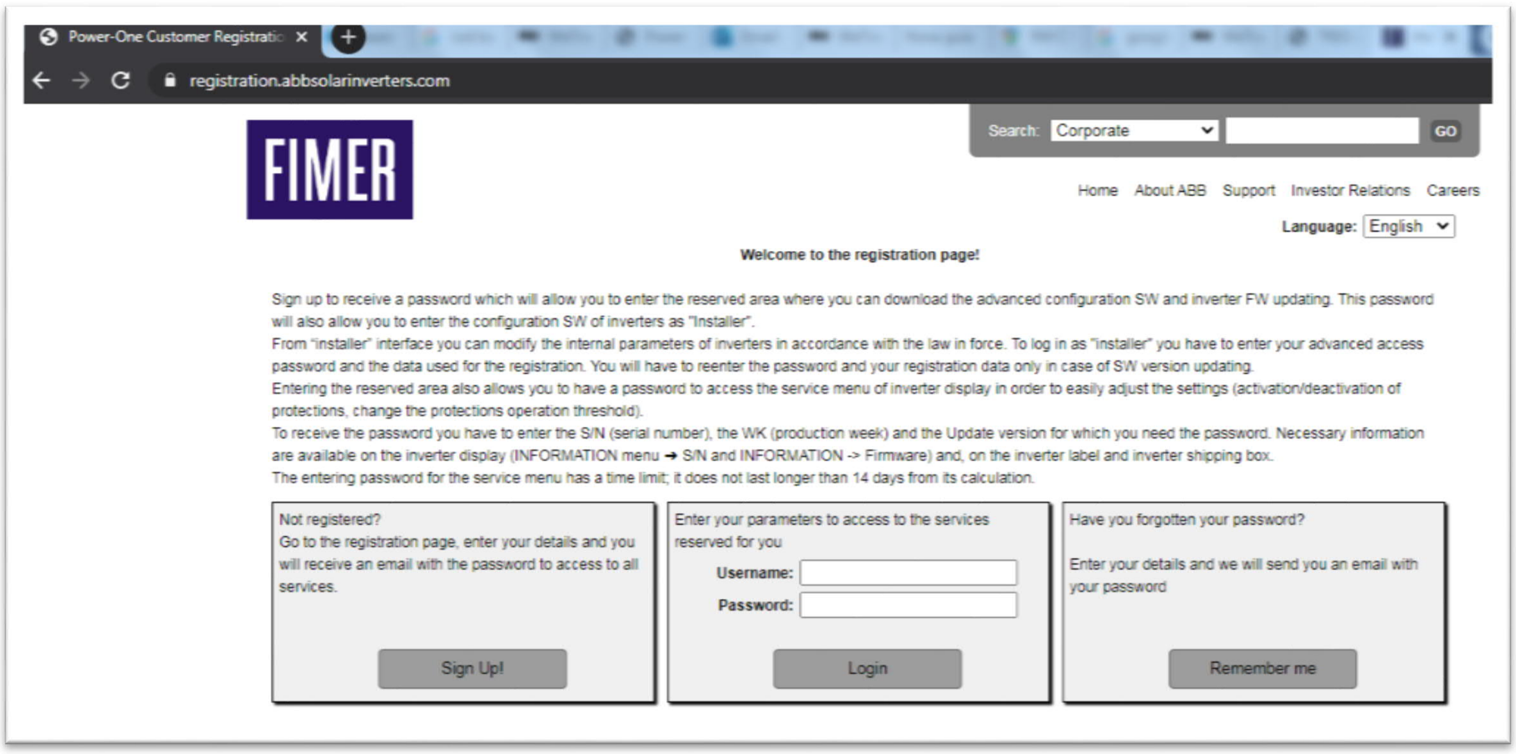
Para fazer o ajuste de tensão AC nos inversores da linha TRIO-20 e 27.6kW, primeiro é necessário ter em mãos a foto da etiqueta do inversor no caso a parte superior, Power-Module (parte de cima).


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

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.


Power-One Customer Registratio
registration.abbsolarinverters.com
FIMER
Search: Corporate GO
Home About ABB Support Investor Relations Careers
Language: English

Welcome to the registration page!

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".
From "installer" interface you can modify the internal parameters of inverters in accordance with the law in force. To log in as "installer" you have to enter your advanced access password and the data used for the registration. You will have to reenter the password and your registration data only in case of SW version updating.
Entering the reserved area also allows you to have a password to access the service menu of inverter display in order to easily adjust the settings (activation/deactivation of protections, change the protections operation threshold).
To receive the password you have to enter the S/N (serial number), the WK (production week) and the Update version for which you need the password. Necessary information are available on the inverter display (INFORMATION menu ➔ S/N and INFORMATION -> Firmware) and, on the inverter label and inverter shipping box.
The entering password for the service menu has a time limit; it does not last longer than 14 days from its calculation.

Not registered?
Go to the registration page, enter your details and you will receive an email with the password to access to all services.

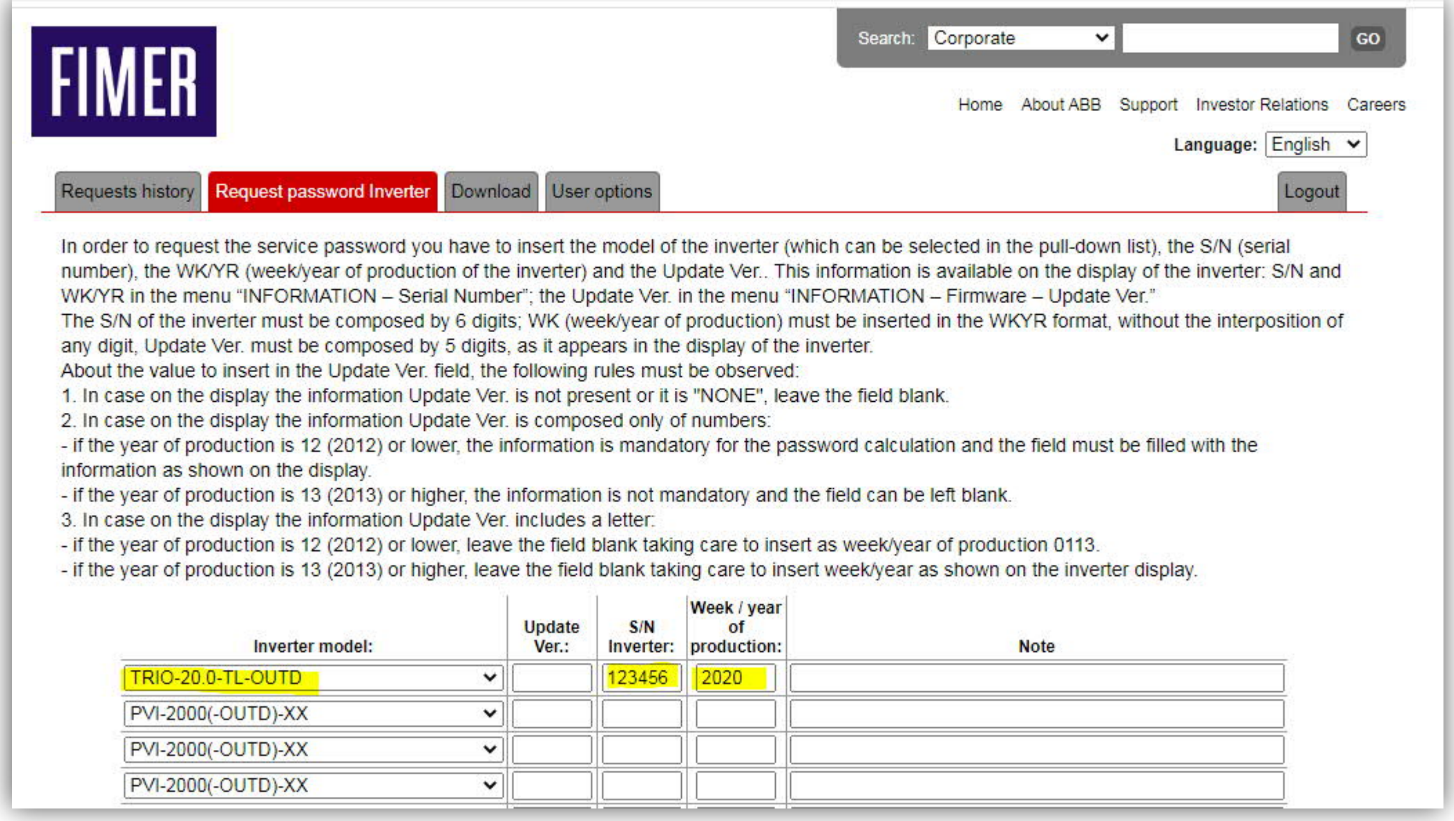
Enter your parameters to access to the services reserved for you
Username:
Password:

Have you forgotten your password?

Enter your details and we will send you an email with your password

Sign Up!
Login
Remember me

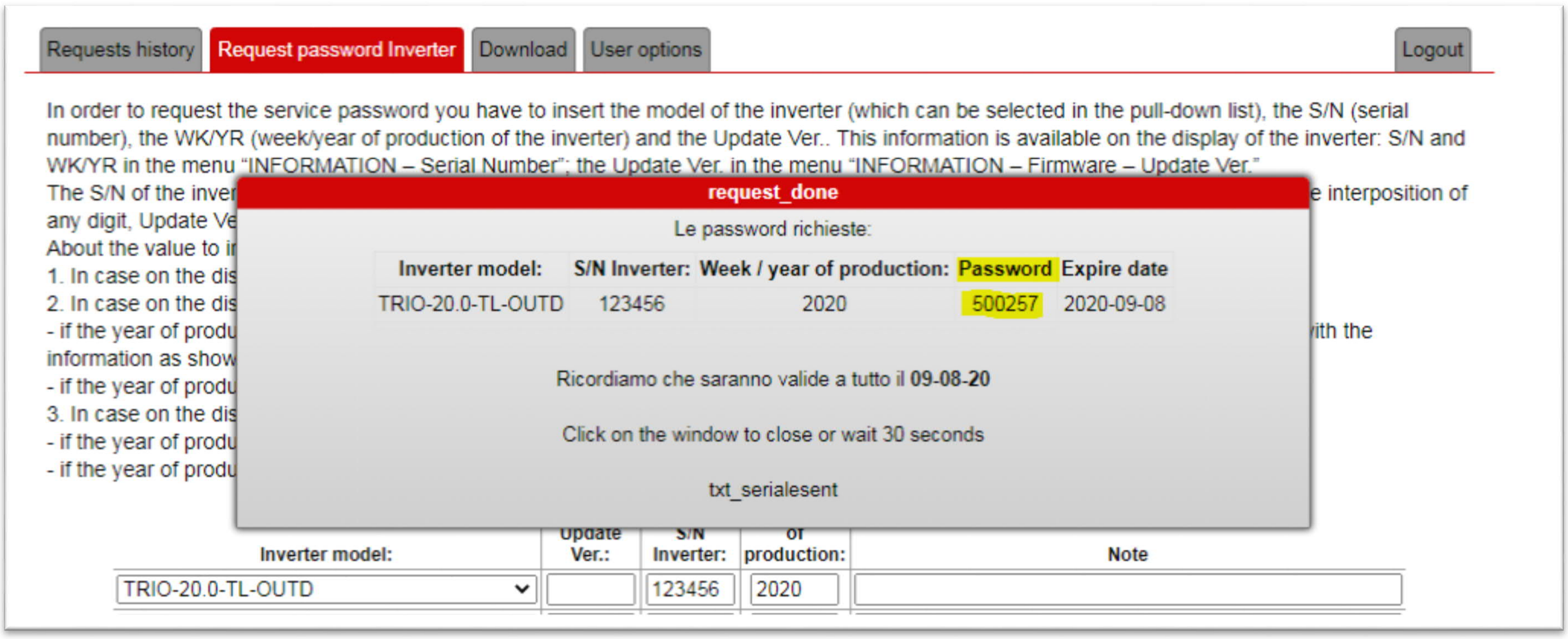
Fazendo a senha de 2º nível, selecionar o modelo do inversor, digitar os últimos 6 números de série e o WK nos campos abaixo.


FIMER
Search: Corporate GO
Home About ABB Support Investor Relations Careers
Language: English
Requests history
Request password Inverter
Download
User options
Logout

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 composed by 6 digits; WK (week/year of production) must be inserted in the WKYR format, without the interposition of any digit, Update Ver. must be composed by 5 digits, as it appears in the display of the inverter.
About the value to insert in the Update Ver. field, the following rules must be observed:
1. In case on the display the information Update Ver. is not present or it is "NONE", leave the field blank.
2. 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.
3. 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.

Inverter model:	Update Ver.:	S/N Inverter:	Week / year of production:	Note
TRIO-20.0-TL-OUTD		123456	2020	
PVI-2000(-OUTD)-XX				
PVI-2000(-OUTD)-XX				
PVI-2000(-OUTD)-XX				

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.



Requests history
Request password Inverter
Download
User options
Logout

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The S/N of the inver … e interposition of
any digit, Update Ve
About the value to i
1. In case on the dis
2. In case on the dis
- if the year of produ … ith the
information as show
- if the year of produ
3. In case on the dis
- if the year of produ
- if the year of produ

request_done

Le password richieste:

Inverter model:	S/N Inverter:	Week / year of production:	Password	Expire date
TRIO-20.0-TL-OUTD	123456	2020	500257	2020-09-08

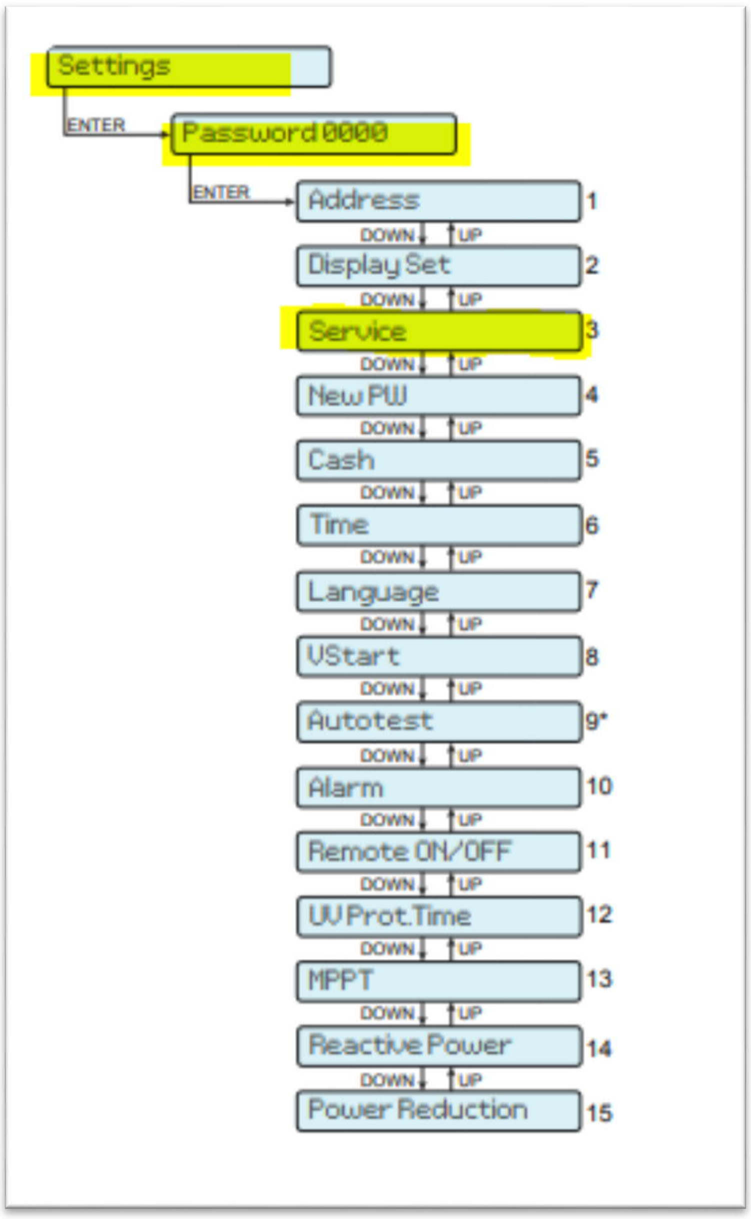
Ricordiamo che saranno valide a tutto il **09-08-20**

Click on the window to close or wait 30 seconds

txt_serialesent

Inverter model:	Update Ver.:	S/N Inverter:	of production:	Note
TRIO-20.0-TL-OUTD		123456	2020	

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



Settings
ENTER
Password 0000
ENTER
Address 1
Display Set 2
Service 3
New PW 4
Cash 5
Time 6
Language 7
VStart 8
Autotest 9*
Alarm 10
Remote ON/OFF 11
UV Prot.Time 12
MPPT 13
Reactive Power 14
Power Reduction 15
DOWN
UP

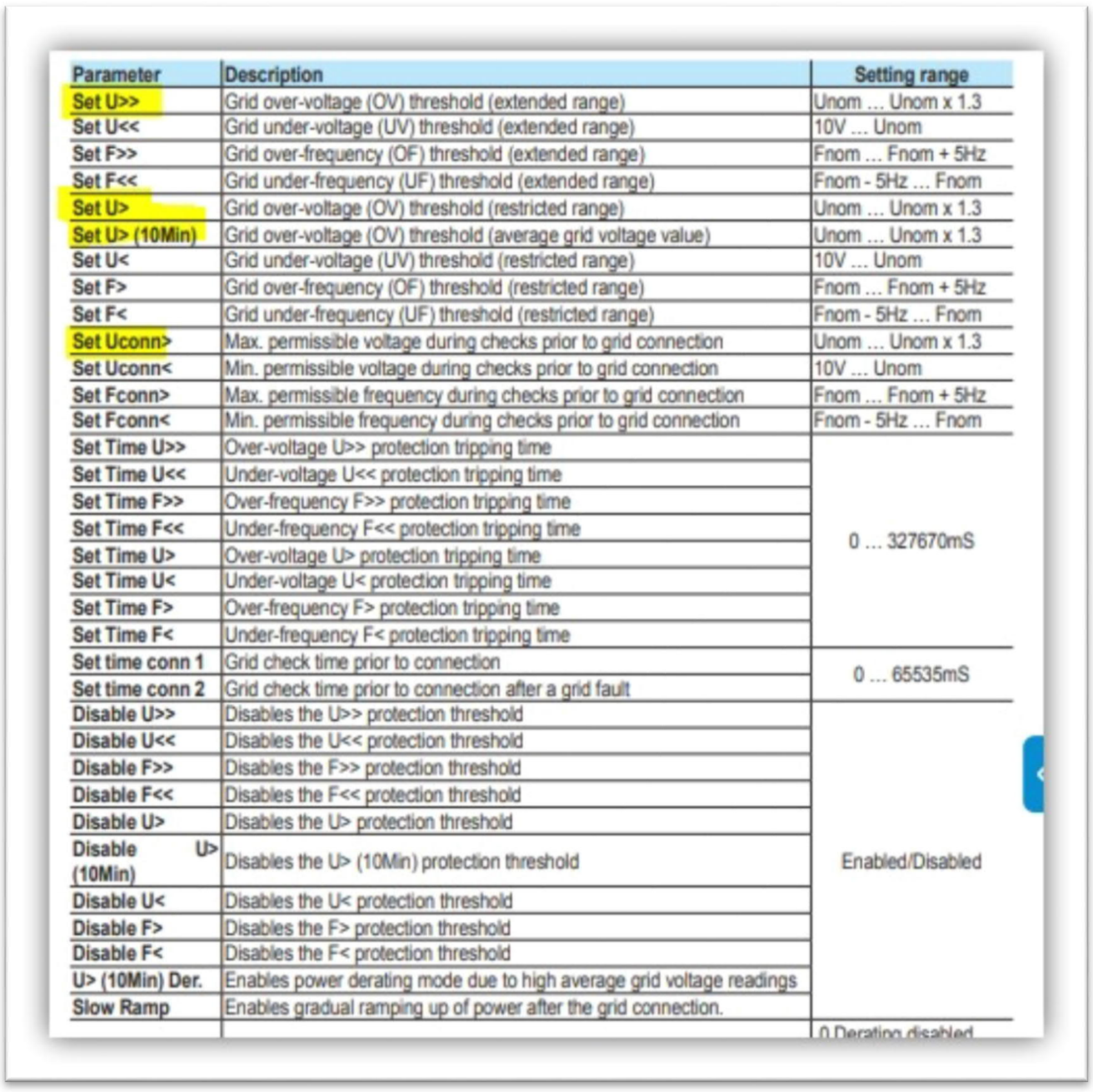
No menu Service digitar a senha de segundo nível que foi gerada no site, no passo anterior.

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 Derating disabled

Para mais informações segue o link para acesso ao manual.

Link manual : https://library.e.abb.com/public/0649340f572149dc98a51698a323d185/TRIO-20.0-27.6-TL-OUTD-Product%20manual%20EN-RevE(M000001EG).pdf

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