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IL WEBINAR INIZIERA' A BREVE...

/ Perfect Welding / Solar Energy / Perfect Charging

Fronius



WEBINAR: INSTALLAZIONE E CONFIGURAZIONE FRONIUS SMART METER

WELCOME



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Presentatore and Q&A Chat



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Presentatore and Q&A Chat

GRUPPO WEBINAR: CONFIGURAZIONI INIZIALI SUGLI INVERTER FRONIUS

/ Primo avvio dell'inverter

/ 26/03/2018

/ Come si configura l'autotest

/ 06/04/2018

/ Come si configura la datamanager 2.0

/ 16/04/2018

/ Installazione e configurazione dello Smart Meter

/ 27/04/2018

Chi segue tutti e 4 i webinar riceverà un attestato di partecipazione!

Nota bene: Questo attestato non ha finalità di crediti formativi o quant altro.

ARGOMENTI DI OGGI

- / Perché Smart Meter?
- / Tipologie
- / Funzioni
- / Collegamenti

PERCHÈ SMART METER

**MONITORAGGIO
COMPLETO**

**VISUALIZZAZIONE
TOTALE DEL
SISTEMA**

**LIMITAZIONE
FEED-IN**

**TROUBLE-
SHOOTING**

CONTROLLO

ANALISI

**AUMENTO
AUTOCONSUMO**

**ESTENSIONI
+
RETROFITTING**

FRONIUS SMART METER

63 A-1



/ Monofase

63 A-3



/ Trifase
/ Uso Residenziale, piccola
azienda

50 kA-3



/ Trifase
/ Uso Commerciale
/ Fino a 50 kA
/ Connesso a TA Esterni

PER MONITORARE



Fronius Datamanager 2.0



Fronius Smart Meter



Fronius Solar.web, Solar.web App

PER CONTROLLARE E GESTIRE I FLUSSI



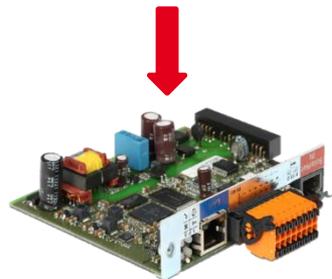
Fronius Energy Package



Fronius Smart Meter

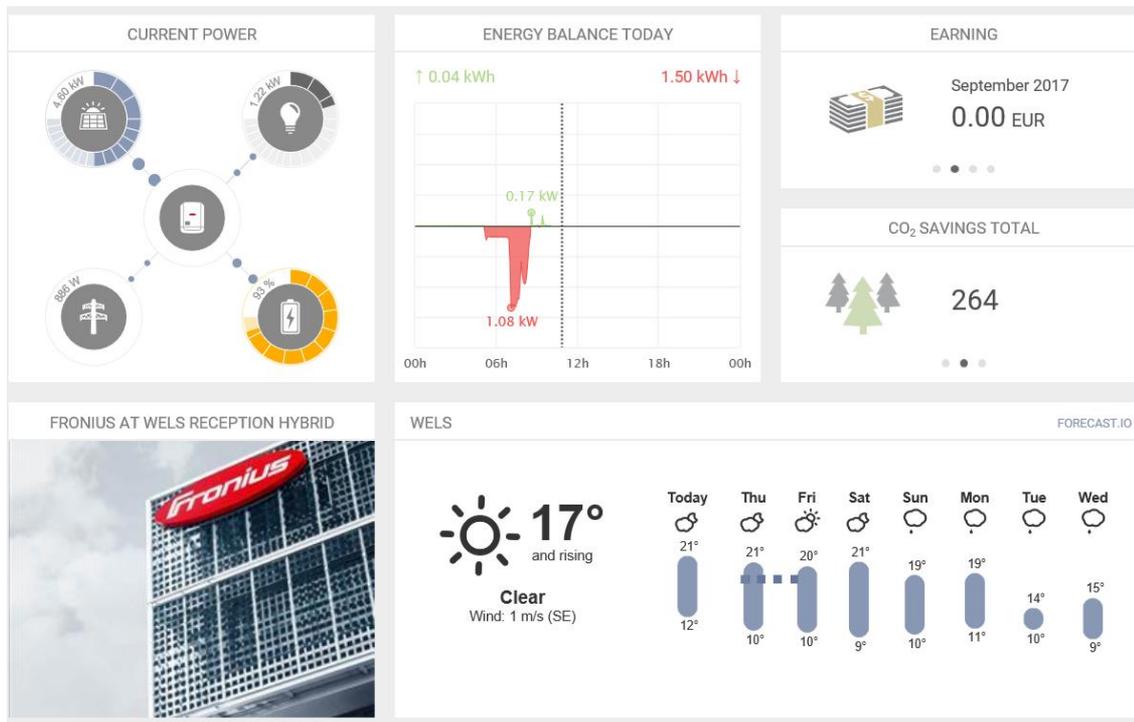


Fronius Ohmpilot



Datamanager 2.0

PER VISUALIZZARE ANCHE I CONSUMI



PER LIMITARE L'IMMISSIONE

The screenshot shows the configuration interface for power limitation. At the top, there are several status indicators: a row of 10 small squares, a percentage input field, and radio buttons for 'ind' and 'cap'. Below these are four checkboxes: '... not applicable' (checked), '... not considered', '... pin open', and '... pin closed' (checked). There are 'Import' and 'Export' buttons. The main configuration area is divided into three sections, each with a checkmark and close button at the top right.

- AUS - Demand Response Modes (DRM)**
 - Reactive power output (Qrel) for DRM 3: %
 - Reactive power consumption (Qrel) for DRM 7: %
- Dynamic power reduction**
 - Power limit: No limit limit for entire system
 - total DC power of the system: Wp
 - max. production power of entire system: %
- Controlling priority**
 - IO control: 1 2 3
 - Dynamic power reduction:
 - Controlling via Modbus:

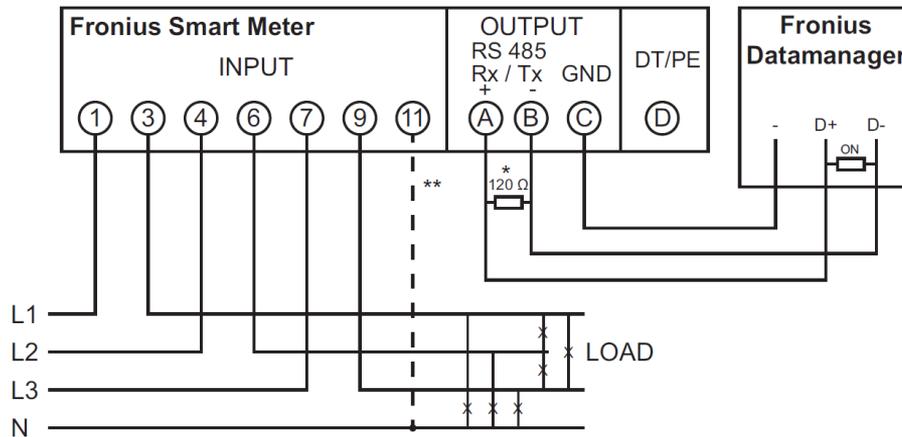
Legend:
1 ... highest priority
2 ... medium priority
3 ... lowest priority

A red arrow points from the text 'Limitazione: -10 % a 100 % o Watt' to the '70' value in the 'max. production power of entire system' field.

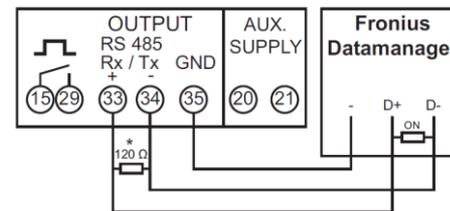
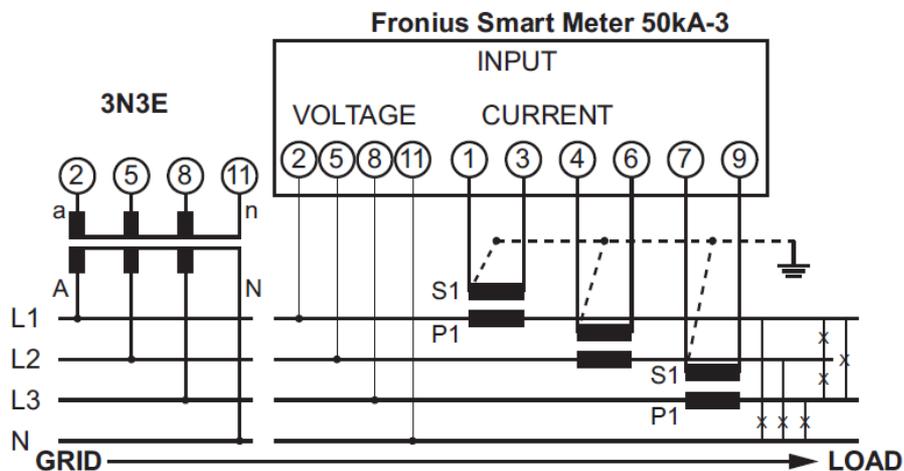
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COLLEGAMENTI

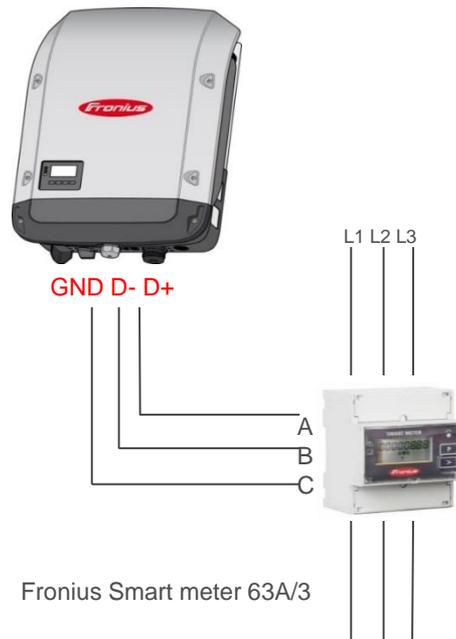
COLLEGAMENTI SMART METER TA A BORDO



COLLEGAMENTI SMART METER TA ESTERNI

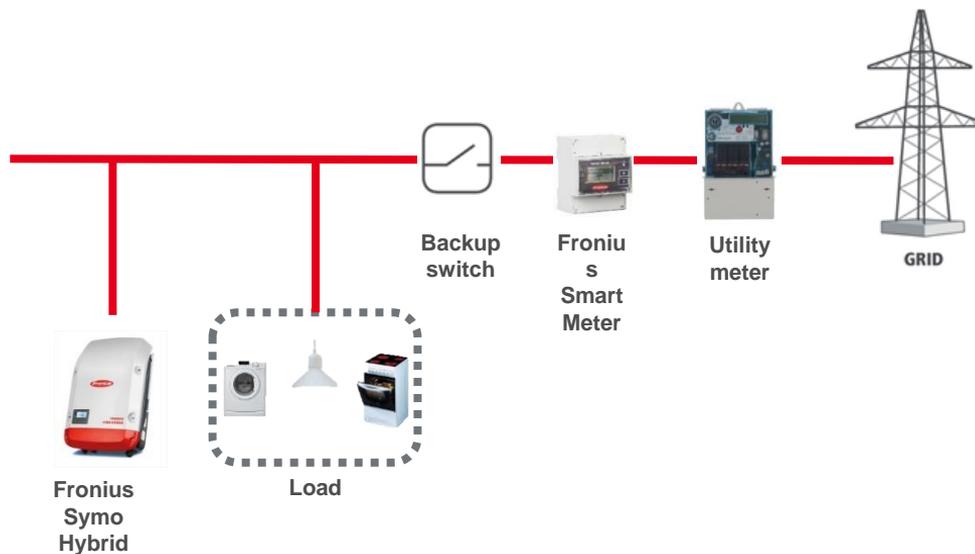


COME INSERIRE LO SMART METER



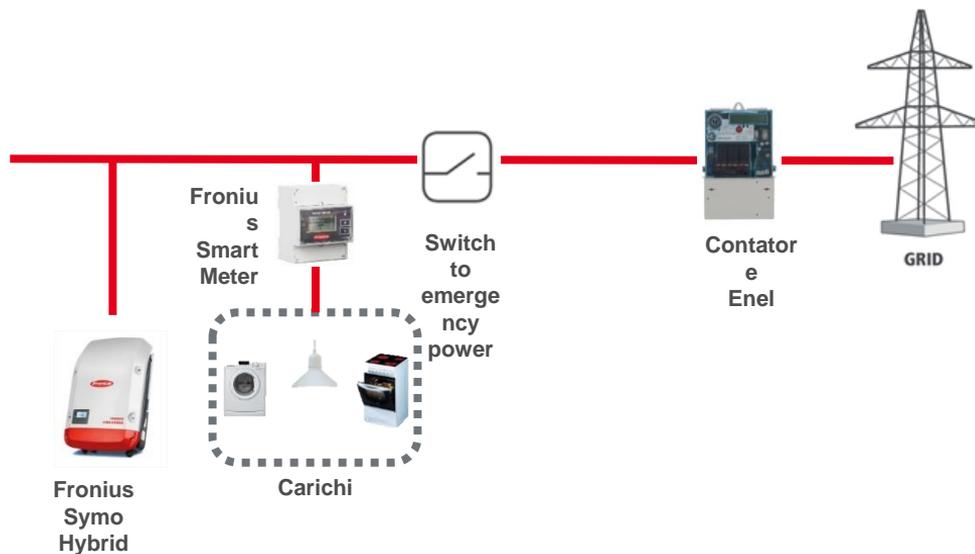
SCHEMA DI COLLEGAMENTO

/ Posizione del Fronius Smart Meter: “Punto di alimentazione”



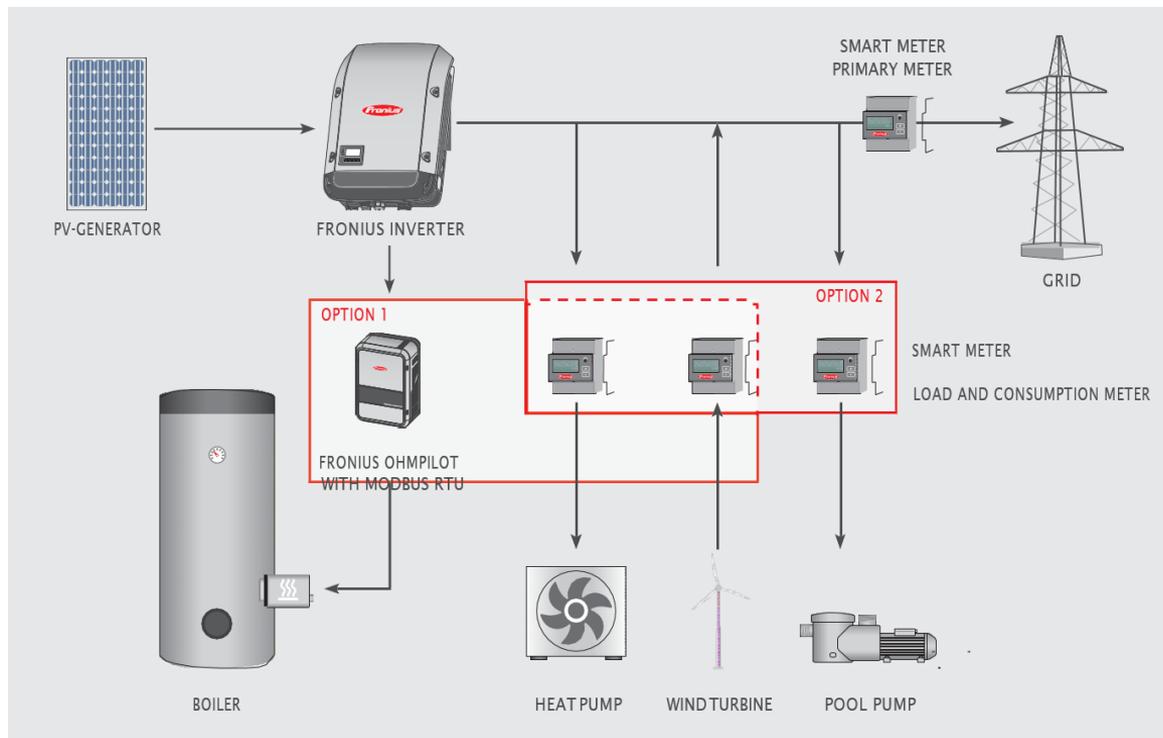
FRONIUS SMART METER

/ Posizione dello Smart Meter: “lato consumi”

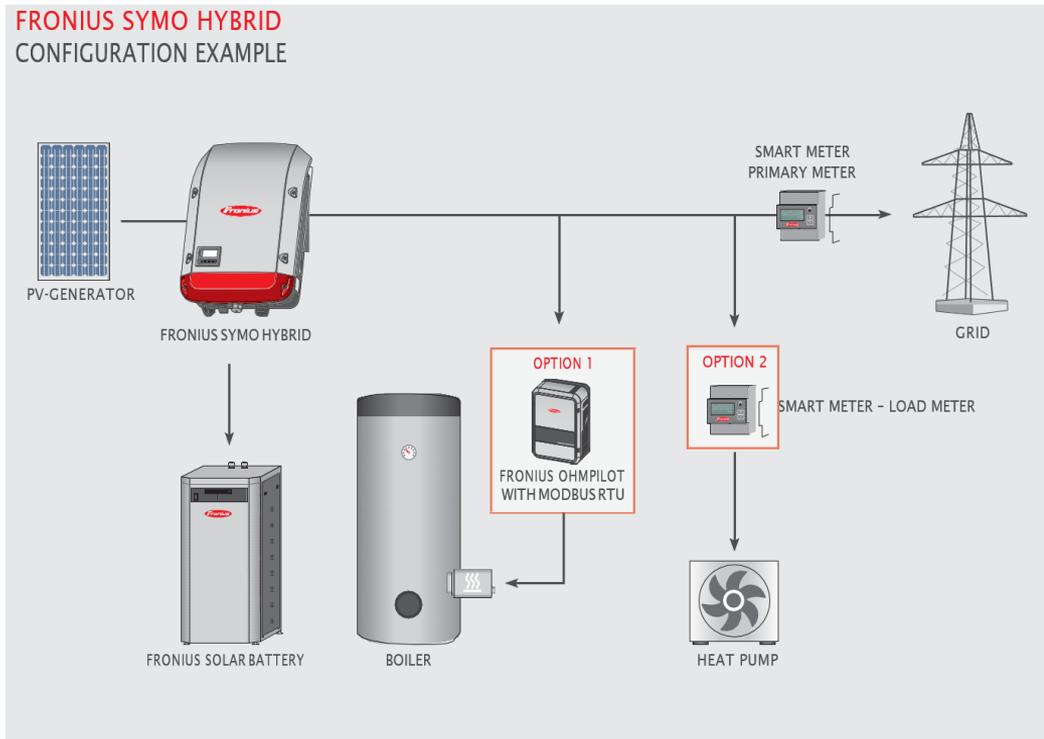


/ **Nota: La modalità Backup non è possibile con questa configurazione!**

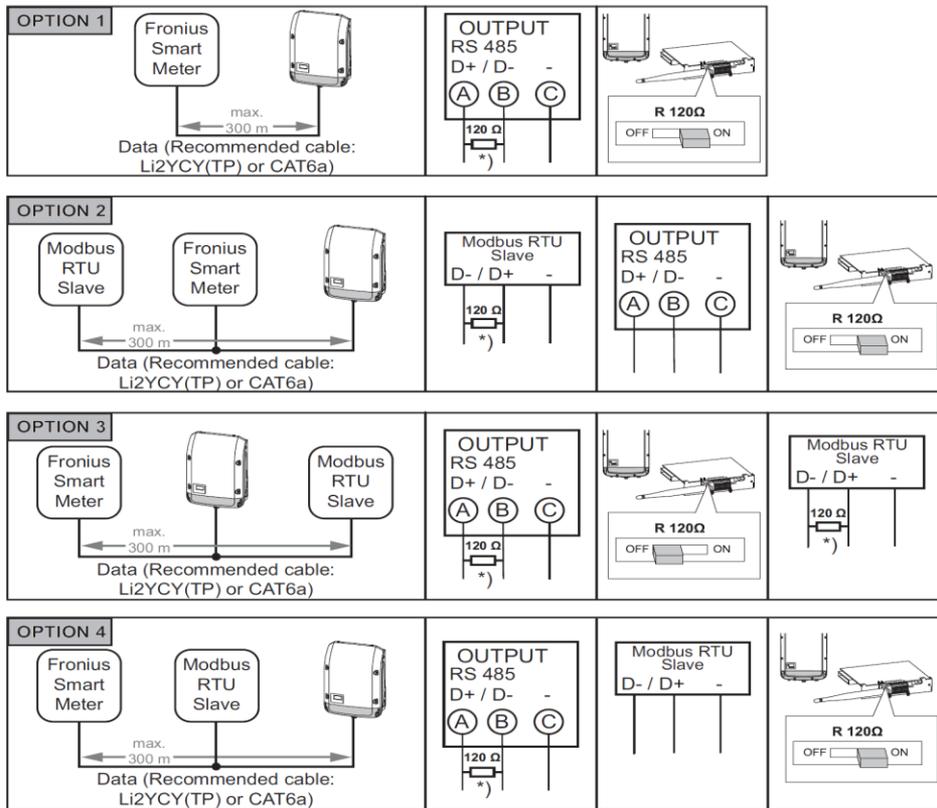
ULTIME IMPLEMENTAZIONI



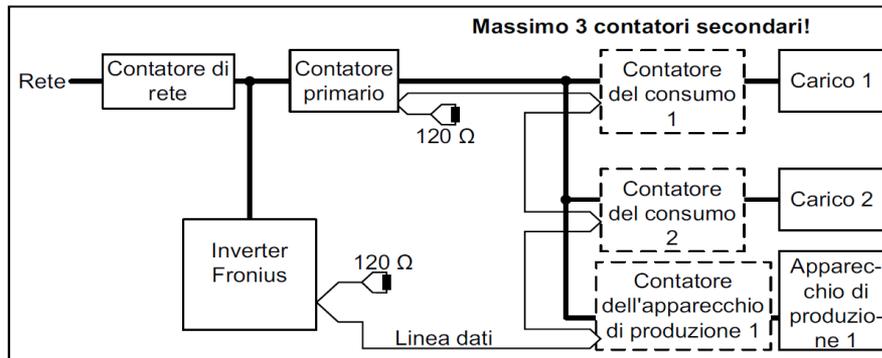
ULTIME IMPLEMENTAZIONI



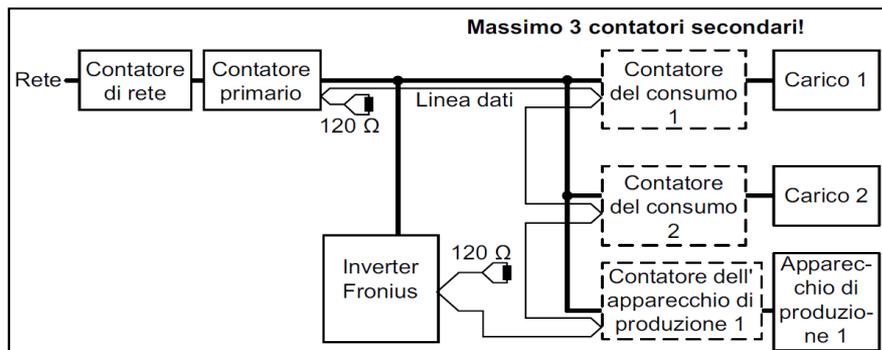
COLLEGAMENTI



SCHEMI



Posizione del contatore primario nel ramo di consumo



Posizione del contatore primario nel punto di alimentazione

COME CONFIGURARLO

Impostazione dell'indirizzo di Fronius Smart Meter

Impostazione dell'indirizzo di Fronius Smart Meter:

1 Digitare la password "2633".



2 Selezionare la voce di menu dell'indirizzo (lasciare assolutamente invariate le altre impostazioni!).



3 Impostare l'indirizzo desiderato.

Page (Pagina) Sposta il cursore.

Prog (Programma) Aumenta/diminuisce il valore impostato.

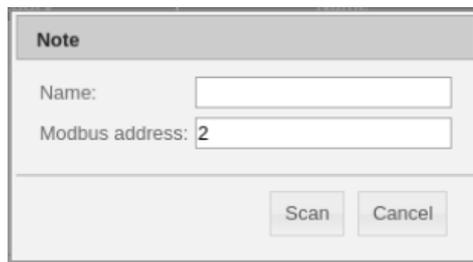
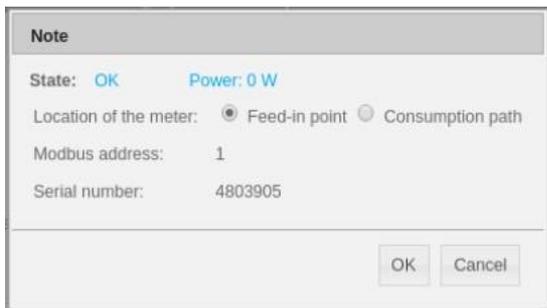
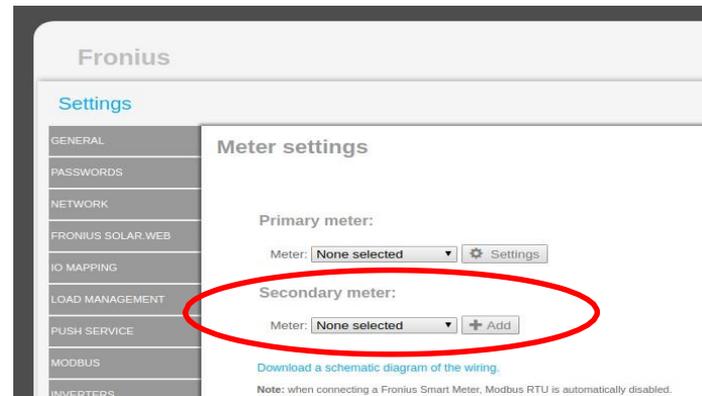
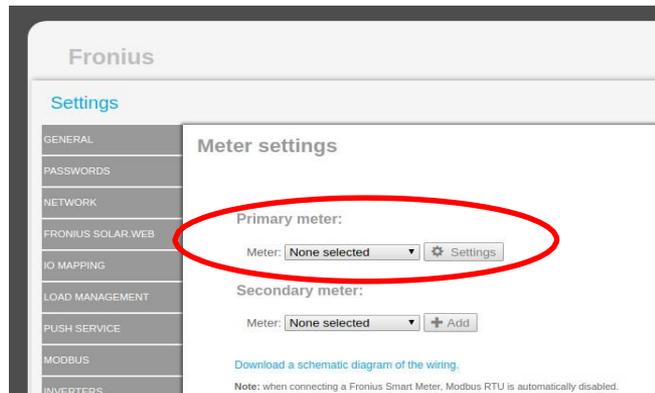
Page + Prog (Pagina + Programma) Conferma.



Configurazione di Fronius Smart Meter nell'interfaccia Web:

- 1 Richiamare l'interfaccia Web di Fronius Datamanager e "Impostazioni".
- 2 Selezionare e aggiungere il contatore secondario.
- 3 Digitare la denominazione e l'indirizzo Modbus impostato.
- 4 Completare la descrizione del contatore.
- 5 Se necessario, ripetere la procedura per gli altri contatori.

COME CONFIGURARLO



ESEMPIO

Fronius

Settings

- GENERAL
- PASSWORDS
- NETWORK
- FRONIUS-SOLAR-WEB
- IO MAPPING
- LOAD MANAGEMENT
- PUSH SERVICE
- MODBUS
- INVERTERS
- FRONIUS SENSOR CARDS
- METER
- DNO EDITOR

Meter settings

Primary meter:
 Meter: Fronius Smart Meter ▼ Settings

Secondary meter:
 Meter: Fronius Smart Meter ▼ + Add

List of configured meters:

Meter type	Location of the meter	Category	Name	Meter value	Settings	Delete
Fronius Smart Meter	Feed-in point	Primary meter		Consumption: 0 W	⚙️	
Fronius Smart Meter	Generator meter	Photovoltaic inverter + storage unit	Generator x	122 W	⚙️	✖️
Fronius Smart Meter	Consumption meter	Heat pump	Consumer x	-1000 W	⚙️	✖️

[Download a schematic diagram of the wiring.](#)
 Note: when connecting a Fronius Smart Meter, Modbus RTU is automatically disabled.
Configuration positions
 Note: The picture below is only an example intended to describe the position of secondary meters. A configuration is not possible here.

CONTATTI

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GRAZIE PER L'ATTENZIONE!

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