

FRONIUS ECO 25.0-3-S

Product code: F.Fronius.3F.wifi.00250-S



Manufacturer	FRONIUS
Inverter type	On-grid
Inverter phases	3
Max. AC power	25000
Output power	25000
Circuit breaker value	63
MPPT	1
WIFI	Tak
Ethernet	No
Compatible optimizers	Tigo
Warranty	7
CN code number	85044086
Quantity per pallet	10
Country of origin	Austria
Width	51
Height	75
Depth	23

Effective inverter for use in extensive systems with high income potential. The three-phase Fronius Eco inverter, available in power variants of 25.0 and 27.0 kW, perfectly meets the needs of areas with large installations. Thanks to its lightweight construction and innovative SnapINverter mounting system, this transformerless device can be easily and quickly installed both indoors and outdoors. With a high degree of protection IP 66, this inverter sets new safety standards. The use of integrated chain fuse sockets on both poles and optional DC surge protection eliminates the need for junction boxes for chains.

Product variants

Index	Price
FRONIUS ECO 25.0-3-S F.Fronius.3F.wifi.00250-S	Product prices only visible after login. If you do not have an account, please register.

Product description

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Fronius ECO 25.0-3-S Wlan WEB is an efficient inverter for use in extensive systems with high income potential.

Fronius ECO 25.0-3-S Wlan WEB - technical data:

Input data:

Number of MPP trackers: 1
Max. input current ($I_{dc\ max}$): 44.2 A
Max. short-circuit current of the module array*: 80 A
Range of DC input voltages ($U_{dc\ min}$ - $U_{dc\ max}$): 580 - 1000 V
Startup voltage ($U_{dc\ start}$): 650 V
Rated input voltage ($U_{dc,r}$): 580 V
MPP voltage range ($U_{mpp\ min}$ - $U_{mpp\ max}$): 580 - 850 V
Useful MPP voltage range: 580 - 850 V
Number of DC connections: 6
Max. photovoltaic generator power ($P_{dc\ max}$): 37.8 kW_{peak}

Output data:

Rated AC power ($P_{ac,r}$): 25 kW
Max. output power ($P_{ac\ max}$): 25 kVA
AC output current ($I_{ac\ nom}$): 37.9 / 36.2 A
Grid connection ($U_{ac,r}$): 3~ NPE 400/230, 3~ NPE 380/220 V
AC voltage range (U_{min} - U_{max}): 150 - 275 V
Frequency (f_r): 50 / 60 Hz
Frequency range (f_{min} - f_{max}): 45 - 65 Hz
Nonlinear distortion factor <3% @ P_{nom} (230/400VAC 50Hz)
Power factor ($\cos\ \varphi_{ac,r}$): 0 - 1 ind./cap.

General data:

Dimensions / width: 512 mm
Dimensions / height: 751 mm
Dimensions / depth: 227.5 mm
Weight: 35.5 kg
Weight with packaging: 39.5 kg
Degree of protection: IP 66
Protection class: 1
Surge category (DC/AC) 1): 2 / 3
Nighttime energy consumption < 1 W
Inverter construction concept: Transformerless
Cooling: Regulated ventilation
Mounting: Indoor and outdoor installation
Ambient temperature range: -25°C - +60°C
Permissible air humidity: 0 - 100 %
Max. altitude above sea level 2): 2,000 m / 2500 m
DC connection technology: Screw terminals 6x DC+ and 6x DC- 2.5-16 mm²
AC connection technology: 5-pin screw terminals AC 2.5-16 mm²

Protections:

DC insulation measurement: Yes

Behavior in case of overload: Shift of the operating point, power limiter

DC disconnect: Yes

Integrated chain fuse socket: Yes

DC polarity reversal protection: Yes

Fronius products come with a factory warranty of two years, which can be extended to five years free of charge by simple registration on the Fronius Solar.web portal.

Registering the inverter on Solar.web offers numerous benefits, including:

- Warranty protection for up to 5 years for registered products.
 - Free monitoring of photovoltaic system performance on the Fronius Solar.web portal.
 - Regular information about new features, accessories, compatible batteries, and solutions for home automation.
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