



## Fronius Tauro

Three-phase inverter 50 and 100 kW



The three-phase Fronius Tauro in the 50.0 and 100.0 kW power classes promises maximum performance even under the harshest conditions.

With its smart hardware design, it offers not only BOS cost optimization but also unprecedented flexibility in system design. Simple installation and the fastest service on the market also guarantee maximum security.

### FEATURES:

- System design flexibility
- Direct sunlight
- Active Double Wall Cooling
- Max. performance up to 50 °C
- Optimizing costs
- Power stage replacement

## TECHNICAL DATA FRONIUS TAURO

### INPUT DATA

Number of MPP trackers	1	1
Max. input current (I <sub>dc</sub> max)	87.5 A	175 A
Max. array short circuit current (PV1 / PV2 / PV3)	75 / 75 / 75 A	
DC input voltage range (U <sub>dc</sub> min - U <sub>dc</sub> max)	580 - 1000 V	
Feed-in start voltage (U <sub>dc</sub> start)	650 V	
Usable MPP voltage range (U <sub>mpp</sub> min - U <sub>mpp</sub> max)	580 - 930 V	
Number of DC connections (PV1 / PV2 / PV3)	7/7/-	7/7/8
Max. PV generator power (P <sub>dc</sub> max)	75 kW <sub>peak</sub>	150 kW <sub>peak</sub>

### ECO 50-3-D

### ECO 100-3-D

### OUTPUT DATA

AC nominal output (P <sub>ac,r</sub> )	50,000 W	100,000 W
Max. output power	50,000 VA	100,000 VA
AC output current (I <sub>ac</sub> nom)	76 A	152 A
Grid connection (U <sub>ac,r</sub> )	3- NPE 400/230 V	3- NPE 380/220 V
Frequency (frequency range f <sub>min</sub> - f <sub>max</sub> )	27.7 A	33.3 A
Power factor (cos φ <sub>ac,r</sub> )	24.0 A	28.9 A

### ECO 50-3-D

### ECO 100-3-D

### GENERAL DATA

Dimensions (height x width x depth)	755 x 1109 x 346 mm (without wall mount)
Weight	72 kg
Degree of protection	IP 65
Protection class	1
Night-time consumption	< 16 W
Cooling	Active cooling technology and double wall system
Installation	Indoor and outdoor
Ambient temperature range	- 40 to + 65 °C 2
DC technology	DC direct connection: Stäubli Multi contact MC4

### ECO 50-3-D

### ECO 100-3-D

Dimensions (height x width x depth)	755 x 1109 x 346 mm (without wall mount)
Weight	72 kg
Degree of protection	IP 65
Protection class	1
Night-time consumption	< 16 W
Cooling	Active cooling technology and double wall system
Installation	Indoor and outdoor
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