



## Fronius TAURO

### 50 - 100 KW

INPUT DATA	FRONIUS TAURO 50-3-D FRONIUS TAURO 50-3-P	FRONIUS TAURO ECO 50-3-D FRONIUS TAURO ECO 50-3-P	FRONIUS TAURO ECO 100-3-D FRONIUS TAURO ECO 100-3-P
Number of MPP trackers	3	1	1
Max. input current (I <sub>dc max</sub> )	36 / 36 / 72 A	87,5 A	175 A
DC input voltage range (U <sub>dc min</sub> - U <sub>dc max</sub> )	200 - 1000 V		580 - 1000 V
Feed-in start voltage (U <sub>dc start</sub> )	400 V		650 V
Usable MPP voltage range	400-930 V		580-930 V
Number of DC connections	D: 3/4/7 <sup>1)</sup> , P: 3 <sup>2)</sup>	D: 14/0/0 <sup>1)</sup> , P: 2 <sup>2)</sup>	D: 22/0/0 <sup>1)</sup> , P: 3 <sup>2)</sup>
Max. PV generator power (P <sub>dc max</sub> )		75kWp	150kWp
OUTPUT DATA	FRONIUS TAURO 50-3-D FRONIUS TAURO 50-3-P	FRONIUS TAURO ECO 50-3-D FRONIUS TAURO ECO 50-3-P	FRONIUS TAURO ECO 100-3-D FRONIUS TAURO ECO 100-3-P
AC nominal output (P <sub>ac,r</sub> )	50,000 W	50,000 W	100,000 W
Max. AC output current (I <sub>ac max</sub> )		75 A	150 A
Grid connection (voltage range)		3~ NPE 380/220V or 3~ NPE 400/230V	
Frequency (Frequency range)		50 Hz / 60 Hz (45 - 65 Hz)	
Total harmonic distortion		< 3 %	
Power factor (cos φ <sub>ac,r</sub> )		0 - 1 ind. / cap.	
GENERADATA	FRONIUS TAURO 50-3-D FRONIUS TAURO 50-3-P	FRONIUS TAURO ECO 50-3-D FRONIUS TAURO ECO 50-3-P	FRONIUS TAURO ECO 100-3-D FRONIUS TAURO ECO 100-3-P
Dimensions (height x width x depth)		644mm x 1038mm x 316mm	
Weight	93 kg	80 kg	105 kg
Degree of protection	Power electronics area: IP66 / DC connection area: IP66 / AC connection area: IP65		
Protection class	1		
Overvoltage category (DC / AC)	2 / 3		
Inverter concept	Transformerless		
Cooling	Regulated air cooling		
Installation	Indoor and outdoor installation		
Ambient temperature range	-40 - +65 °C		
Permitted humidity	0 to 100 % (condensing)		
DC connection technology	MC4 whips <sup>1)</sup> , V-clamps <sup>2)</sup>		
AC connection technology	V-clamps		
Certificates and compliance with standards	IEC62109-1:2010, IEC62109-2:2011, DIN V VDE 0126-1-1:2006		
EFFICIENCY	FRONIUS TAURO 50-3-D FRONIUS TAURO 50-3-P	FRONIUS TAURO ECO 50-3-D FRONIUS TAURO ECO 50-3-P	FRONIUS TAURO ECO 100-3-D FRONIUS TAURO ECO 100-3-P
Max. efficiency	98.2 %	98.5 %	98.5 %
European efficiency (η <sub>EU</sub> )	97.4 / 97.8 / 97.5 %	98.2 / 98.0 / 97.5 %	98.2 / 98.0 / 97.5 %
PROTECTION DEVICES	FRONIUS TAURO 50-3-D FRONIUS TAURO 50-3-P	FRONIUS TAURO ECO 50-3-D FRONIUS TAURO ECO 50-3-P	FRONIUS TAURO ECO 100-3-D FRONIUS TAURO ECO 100-3-P
DC insulation measurement	Yes		
Overload behavior	Operating point shift, power limitation		
Reverse polarity protection	Yes		

<sup>1)</sup>direct <sup>2)</sup>precombined



Manufactured & Designed in Europe

