



5 *Fronius*
YEARS
WARRANTY
Extendable up to
20 YEARS
Terms & Conditions Apply



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 _{dc max})	36 / 36 / 72 A	87,5 A	175 A
DC input voltage range (U _{dc min} - U _{dc max})	200 - 1000 V		580 - 1000 V
Feed-in start voltage (U _{dc start})	400 V		650 V
Usable MPP voltage range	400-930 V		580-930 V
Number of DC connections	D: 3/4/7 ¹⁾ , P: 3 ²⁾	D: 14/0/0 ¹⁾ , P: 2 ²⁾	D: 22/0/0 ¹⁾ , P: 3 ²⁾
Max. PV generator power (P _{dc max})		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 _{ac,r})	50,000 W	50,000 W	100,000 W
Max. AC output current (I _{ac max})		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 _{ac,r})		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 ¹⁾ , V-clamps ²⁾		
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 _{EU})	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		

¹⁾ direct ²⁾ precombined



Manufactured & Designed in Europe