

## TECHNICAL DATA (10.0-3-M, 12.5-3-M, 15.0-3-M, 17.5-3-M, 20.0-3-M)

INPUT DATA	10.0-3-M	12.5-3-M	15.0-3-M	17.5-3-M	20.0-3-M
Number MPP trackers	2				
Max. input current ( $I_{dc \max 1} / I_{dc \max 2}$ )	27.0 A / 16.5 A <sup>1)</sup>			33.0 A / 27.0 A	
Max. usable input current total ( $I_{dc \max 1} + I_{dc \max 2}$ )	43.5 A			51.0 A	
Max. array short circuit current (MPP <sub>1</sub> /MPP <sub>2</sub> )	40.5 A / 24.8 A			49.5 A / 40.5 A	
DC input voltage range ( $U_{dc \min} - U_{dc \max}$ )	200 - 1000 V				
Feed-in start voltage ( $U_{dc \text{ start}}$ )	200 V				
Usable MPP voltage range	200 - 800 V				
Number of DC connections	3+3				
Max. PV generator output ( $P_{dc \max}$ )	15.0 kW <sub>peak</sub>	18.8 kW <sub>peak</sub>	22.5 kW <sub>peak</sub>	26.3 kW <sub>peak</sub>	30.0 kW <sub>peak</sub>

OUTPUT DATA	10.0-3-M	12.5-3-M	15.0-3-M	17.5-3-M	20.0-3-M
AC nominal output ( $P_{ac,r}$ )	10,000 W	12,500 W	15,000 W	17,500 W	20,000 W
Max. output power / rated apparent power	10,000 VA	12,500 VA	15,000 VA	17,500 VA	20,000 VA
AC output current ( $I_{ac \text{ nom}}$ )	14.4 A	18.0 A	21.7 A	25.3 A	28.9 A
Grid connection (voltage range)	3-NPE 400 V / 230 V or 3-NPE 380 V / 220 V (+20 % / -30 %)				
Frequency (Frequency range)	50 Hz / 60 Hz (45 - 65 Hz)				
Total harmonic distortion	1.8 %	2.0 %	1.5 %	1.5 %	1.3 %
Power factor ( $\cos \phi_{ac,r}$ )	0 - 1 ind. / cap.				

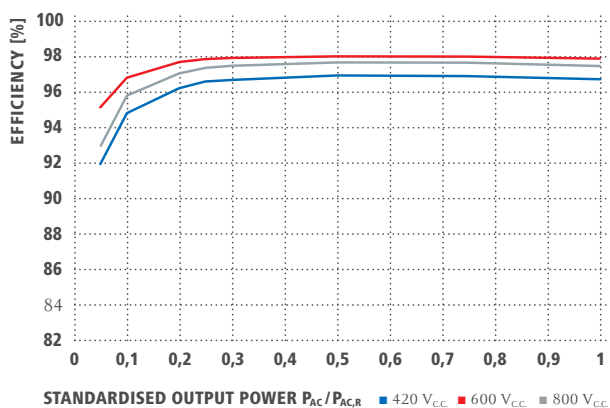
GENERAL DATA	10.0-3-M	12.5-3-M	15.0-3-M	17.5-3-M	20.0-3-M
Dimensions (height x width x depth)	725 x 510 x 225 mm				
Weight	34.8 kg		43.4 kg		
Degree of protection	IP 66				
Protection class	1				
Overvoltage category (DC / AC) <sup>2)</sup>	2 / 3				
Night time consumption	< 1 W				
Inverter design	Transformerless				
Cooling	Regulated air cooling				
Installation (DIN rail)	Indoor and outdoor installation (106 x 90 x 66 mm)				
Ambient temperature range	-40 - +60 °C				
Permitted humidity	0 - 100 %				
Max. altitude	2,000 m / 3,400 m (unrestricted / restricted voltage range)				
DC connection technology	6x DC+ and 6x DC- screw terminals 2.5 - 16 mm²				
AC connection technology	5-pole AC screw terminals 2.5 - 16 mm²				
Certificates and compliance with standards	ÖVE / ÖNORM E 8001-4-712, DIN V VDE 0126-1-1/A1, VDE AR N 4105, IEC 62109-1/-2, IEC 62116, IEC 61727, AS 3100, AS 4777-2, AS 4777-3, CER 06-190, G83/2, UNE 206007-1, SI 4777, CEI 0-16, CEI 0-21, NRS 097				
Country of manufacture	Austria				

<sup>1)</sup> 14.0 A for voltages < 420 V

<sup>2)</sup> According to IEC 62109-1. DIN rail for optional type 1 + 2 or type 2 surge protection device available.

Further information regarding the availability of the inverters in your country

### 20.0-3-M EFFICIENCY CURVE



### 20.0-3-M TEMPERATURE DERATING

