

R3 inverter	8000 R3-S2	9000 R3-S2
DC Input		
Max. PV power	8,000 Wp	9,100 Wp
Max. DC power (@ cos phi = 1)	7,300 W	8,300 W
MPPT voltage range	150 ... 720 V	
Max. input voltage	900 V	
Max. MPPT inout current	2 x 9.5 A	
Number of string inputs	2	
Number of MPP trackers	2	
DC disconnect	•	
DC short circuit current	2 x 14 A	
Reverse polarity protection / Ground fault monitoring (isolation check)	• / •	
AC Output		
Rated power (@ cos phi = 1)	7,000 W	8,000 W
Rated current	3 x 10.1 A	3 x 11.6 A
Max. apparent power	7,800 VA	8,900 VA
Max. AC current	3 x 13 A	3 x 13.1 A
Power feed starts at	20 W	
Mains output voltage	3AC 230 V / 400 V (+/-20 %)	
Feed in phases / connection phases	3 / 3	
Max. permitted grid impedance [Z _{max}] (EN 61000-3-11)	-	
Standby consumption	1 W	
Mains frequency	50 Hz (+/-5 %)	
Power factor (cos phi) (ind. ... kap)	0.7 ... 0.7	
Short circuit resistance / Ground fault monitoring (RCD)	• / •	
Interfaces		
DC connection	MC4	
AC connection	Spring clamp connectors	
RS 485 (Clamps / RJ45)	• / •	
Ethernet / CAN	- / -	
Integrated web server	-	
Alarm relay	-	
Appliance data		
Max. efficiency	98.5 %	
European efficiency	98.2 %	
Weight	37 kg	
Dimensions (H x W x D in mm)	626 x 547 x 290	
Operating temperature	-20 ... +60 °C	
Storage temperature	-25 ... +80 °C	
Relative humidity	0 ... 95 %	
Altitude at rated power	2,000 m / 6,560 ft	
Protection degree (except digital interface)	IP 66	
Protection class / overvoltage category	I / Type 3	
Full graphic display (color / monochrome)	- / •	
Storage capacity data logger	30 years	
System topology	Transformerless	
Cooling	Convection	
Standards / grid codes	VDE 0126-1-1, VDE AR-N 4105, CEI 0-21, C10/11, G83/2, EN 50438, ÖNORM E8001-4-712, UTE C15-712-1, RD 1699/661, IEC 62109, AS 4777, AS 3100	
Warranty	10 years	