

KAISAI

ON-GRID INVERTERS

KR1 Series

3,3 KW / 3,7 KW SINGLE PHASE, 1 MPPT



KR1 Series key features



Low starting
voltage



Natural cooling,
quiet operation



Remote
monitoring



10 years
warranty



IP65
rated



Easy
installation



Compact
sizes

Kaisai three-phase photovoltaic inverters are a series of devices with the highest technical parameters, **providing efficient and quiet operation in all operating conditions.** Flexible installation, compact size, aesthetic, and lightweight design allow for universal use in residential and commercial projects.

TECHNICAL SPECIFICATION

on-grid inverters

Series KR1

DC Input Data	KR1-3K3-SS	KR1-3K7-SS
Max. Recommended PV Power [Wp]	4200	4800
Max.DC Input Voltage [V]	550	550
MPPT voltage Range [V]	50 ÷ 550	50 ÷ 550
Start-up Voltage [V]	70	70
No. of MPP Trackers	1	1
No. of Input Strings per Tracker	1	1
Max. DC Input Current [A]	12,5	12,5
DC Switch	Integrated	
AC Output Data		
Rated AC Power [W]	3300	3680
Max.output power [VA]	3300	3680
Max. AC Current [A]	14,4	16,0
Rated AC Voltage / Range	220 / 230; 160 ÷ 290	
Grid frequency / range [Hz]	50 / 60; ±5	
Adjustable Power Factor [cos Ø]	0.8 leading ~ 0.8 lagging	
Output THDi (@Rated Output)	≤ 2%	
Efficiency		
Euro Efficiency	96,80%	96,80%
Max.Efficiency	97,30%	97,30%
MPPT Efficiency	99,90%	99,90%
General Data		
Size (Width*Height*Depth) [mm]	295 x 260 x 115	335 x 260 x 120
Weight [kg]	6,8	7,5
User Interface	LCD	
Communication	RS485 or WIFI or GPRS	
Ambient Temperature Range [°C]	-25 ÷ 60	
Relative Humidity	0 - 100%	
Operating Altitude [m]	≤ 4000	
Standby Self Consumption [W]	< 0,2	
Topology	Transformerless	
Cooling	Natural Convection	
Protection Grades	IP65	
Noise [dB]	< 30	
Warranty [years]	10	
Certifications & Standards		
Grid Regulation	C10/11, PEA, MEA, G98, G99, EN50549, CEI0-21, CEI0-16, IEC61727, IEC62116, IEC60068, IEC61683	
Safety Regulation	IEC 62109/2010, IEC 62109/2011, DIN V VDE 0126-1-1:2006	
EMC	EN 61000-3-2, EN 61000-3-3, EN 61000-6-2, EN 61000-6-3, EN 61000-3-11, EN 61000-3-12, IEC61000-4-16, IEC61000-4-18, IEC61000-4-29	
Protection		
	DC Insulation Monitoring Residual Current Monitoring	
	Anti-island Protection DC Surge Protection Input Reverse Polarity Protection Over-heat Protection AC Short-circuit Protection AC Overvoltage Protection	
	AC Overcurrent Protection AC Surge Protection	

**More information
about our products
you will find on the website**

kaisai.com

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