

KAISAI

ON-GRID INVERTERS

KR3 Series

4 KW / 5 KW / 6 KW / 8 KW / 10 KW THREE PHASE, 2 MPPT



KR3 Series key features



Low starting
voltage



Wide MPPT range
(160-950V)



Natural cooling,
quiet operation



10 years
warranty



Remote
monitoring



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 KR3

DC Input Data	KR3-4K-DT	KR3-5K-DT	KR3-6K-DT	KR3-8K-DT	KR3-10K-DT
Max. Recommended PV Power [Wp]	6000	7500	9000	12000	15000
Max.DC Input Voltage [V]	1000	1000	1000	1000	1000
MPPT voltage Range [V]	160 ÷ 950	160 ÷ 950	160 ÷ 950	250 ÷ 950	250 ÷ 950
Start-up Voltage [V]	160	160	160	200	200
No. of MPP Trackers			2		
No. of Input Strings per Tracker	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
Max. DC Input Current [A]	12,5 / 12,5	12,5 / 12,5	12,5 / 12,5	12,5 / 12,5	12,5 / 12,5
DC Switch			Integrated		
AC Output Data					
Rated AC Power [W]	4000	5000	6000	8000	10000
Max.output power [VA]	4400	5500	6600	8800	11000
Max. AC Current [A]	6,4	8,0	9,6	12,8	16,0
Rated AC Voltage / Range		3/PE 380 ,400 ;+/-20% ;3/N/PE 380 ,400 ;+/-20%			
Grid frequency / range [Hz]		50 / 60; ±5			
Adjustable Power Factor [cos Ø]		0.8 leading ~ 0.8 lagging			
Output THDi (@Rated Output)		< 3%			
Efficiency					
Euro Efficiency	97,60%	97,60%	97,60%	97,60%	97,80%
Max.Efficiency	98,30%	98,30%	98,30%	98,30%	98,30%
MPPT Efficiency	99,90%	99,90%	99,90%	99,90%	99,90%
General Data					
Size (Width*Height*Depth) [mm]		455 x 390 x 160			455 x 390 x 175
Weight [kg]		16,3			18,3
User Interface		LCD			
Communication		RS485 (Standard), 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			
Public Grid Connection Standards		PN-EN 50549-1:2019, PN-EN 50438:2014			
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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