

Z10 SERIES Z10I2K5/Z10I3K



Efficiency

- Y Maximum efficiency up to 97.7%.
- Y European efficiency up to 97%.
- Y MPPT efficiency up to 99.9%.
- Y THDi less than 2%.

Safety

- Y Smaller and lighter, 3kW only 9.9kg.
- Y IP65 Protection (indoor and outdoor use).
- Y 45°C full-load output.
- Y Wide MPPT voltage range.

Usage

- Y Multi-button touch interface.
- Y Easy monitoring and control.
- Y Adjustable active and reactive power.
- Y LCD screen visible at night.



Single MPPT

Zeus Appollo Z10I2K5/3K adopt cutting-edge technology in the photovoltaic field. It has created a new standard for inverter technology with more advanced reactive compensation technology, wide voltage range and current inputs. The new series has a broad range of domestic applications. Aside from being compatible with different types of solar panel brands, it also meets the demands of easy installation and simple operation for indoor and outdoor use. Despite the fact that its weight is super light, it meets the IP65 protective class. All of these features and more combine to make this series the first choice for residential applications. With Zeus Appollo, we put you in full control of your energy needs.

	Z10I2K5	Z10I3K
Input (DC)		
Max. recommended DC power [W]	2800	3250
Max. DC voltage [V]	500	500
Max. input current [A]	18	18
MPPT voltage range [V]	120-450	120-450
Min. DC voltage/turn-on voltage [V]	120/150	120/150
Number of MPP Trackers/ Number of DC connection per MPPT	1/1	1/1
DC connector	MC4	MC4
Output (AC)		
Nominal AC power [W]	2500	3000
Max. AC power [VA]	2750	3000
Nominal AC voltage; range [V]		220/230/240; 185-276
AC grid frequency; range [Hz]		50/60; 45-55/55-65
Max. AC current [A]	12.5	14.0
Power factor		0.90 leading...0.90 lagging
Total harmonic distortion (THD)	<2%	<2%
Power Consumption		
Power consumption at night [W]	<1	<1
Standby power consumption [W]	6	6
Efficiency		
MPPT efficiency	99.9%	99.9%
European efficiency (at 360Vdc)	96.9%	97.0%
Max. efficiency (at 360Vdc)	97.7%	97.7%
Safety and Protection		
DC Insulation Monitoring		Yes
DC Switch		Optional
Residual current monitoring unit (RCMU)		Integrated
Grid Monitoring with anti-islanding		Yes
Protection class		I (According to IEC 62103)
Overvoltage category		PV II / Mains III (According to IEC 62109-1)
Reference Standard		
Grid standard		AS4777.2, AS4777.3
EMC standard	EN61000-6-1, EN61000-6-3, EN61000-6-2, EN61000-6-4, EN61000-3-11, EN61000-3-12	EN61000-3-2, EN61000-3-3
Safety standard		EN62109-1/2, AS/NZS3100
Environment		
IP protection		IP65 (According to IEC 60529)
Operating temperature range		-20°C to +60°C (>45°C derating)
Relative humidity		0% to 98% (no condensation)
Maximum altitude (above sea level)		2000m
Noise level [dB]		<40dB
General Data		
Dimension (W×H×D) [mm]		343×281×150
Weight [Kg]		9.9
Mounting Information		Wall bracket
Topology		Transformerless
Cooling concept		Natural convection
Display		3" LED, Backlight, 4×20 Character LCD
Communication interface		USB; RS485 (optional Wi-Fi, GPRS)
Standard Warranty [years]		5 (10 optional)