

ZEUS APPOLLO™

Z20 Series 1K/1K5/2K/2K5/3K

Efficiency

- ⚡ Maximum efficiency up to 97.8%
- ⚡ Low startup voltage (80V)
- ⚡ THDi less than 1%
- ⚡ 45°C full-load output
- ⚡ Wide MPPT voltage range

Features

- ⚡ User-friendly large LCD
- ⚡ Remote monitoring via Wi-Fi
- ⚡ Earth fault monitoring function
- ⚡ Receive email notifications in the event of a fault
- ⚡ Zero-export and export-limiting function
- ⚡ IP65 protection (Suitable for indoor and outdoor use)



Z20 Series Single MPPT Inverter

Zeus Appollo's Z201K/1K5/2K/2K5/3K inverter series is designed under modern industrial design concept. It is widely and flexibly used in residential rooftop units because of its wide range of voltage and current inputs. It features very high conversion efficiency and reliability. This series provides long-term and stable generating benefits. The powerful, intelligent, user friendly interface and smart design makes it most suitable for residential applications. With Zeus Appollo, we put you in full control of your solar needs.

Technical data

Z2011K/1K5/2K



	Z2011K	Z2011K5	Z2012K
DC Input Data			
Max.recommended DC power[W]	1200	1800	2300
Max.DC voltage [V]	500	500	500
Max. input current [A]	10	10	10
MPPT Voltage Range [V]	80~450	80~450	80~450
Min.DC voltage/turn-on voltage [V]	80	80	80
No. of inputs/MPP trackers	1/1	1/1	1/1
DC connector	Amphenol H4/MC4/Sunclix(optional)		
Output (AC)			
Nominal AC power [W]	1000	1500	2000
Max. AC power [W]	1000	1500	2000
Nominal AC voltage; range [V]		230;180~270	
AC grid frequency; range [Hz]		50/60; 45~55/55~65	
Max.AC current [A]	5	7.5	10
Power factor		0.8 leading~0.8 lagging	
Total harmonic distortion(THD)	<3%	<3%	<3%
Efficiency			
MPPT efficiency	99.9%	99.9%	99.9%
European efficiency	>96.0%	>96.0%	>96.0%
Max. efficiency	96.2%	96.2%	96.2%
Safety Equipment			
Leakage current monitoring unit		Integrated	
DC switch		Optional	
Islanding protection		Integrated	
Grid monitoring	G83/2, VDE0126-1-1, AS4777.2&3, EN50438, ERDF-NOI-RES_13E		
Reference Standard			
EMC standard	EN 61000-6-1, EN61000-6-2, EN61000-6-3,EN61000-6-4, EN61000-3-2, EN61000-3-3		
Safety standard	IEC62109-1&-2		
Environment			
IP protection		IP65	
Operating Temperature Range		-25 to 60°C (up to 45°C derating)	
Relative humidity		0~95%	
Altitude [m]		4000m (up to 2000m derating)	
Noise emission(typical) [dB]		<25	
General Data			
Dimensions(W×H×D)[mm]	344×274.5×128mm		
Weight [kg]	7.5		
Housing	For outdoor and indoor		
Mounting information	Wall mounting		
Topology	Transformerless		
Cooling concept	Natural convection		
Display	LCD		
Communication interfaces	USB2.0; RS485(standard) Wi-Fi(optional)		
Standard warranty [years]	5 (10 optional)		

	Z20I2K5	Z20I3K
DC Input Data		
Max.recommended DC power[W]	2700	3200
Max.DC voltage [V]	500	500
Max. input current [A]	18	18
MPPT Voltage Range [V]	80~450	80~450
Min.DC voltage/turn-on voltage [V]	80	80
No. of inputs/MPP trackers	1/1	1/1
DC connector	Amphenol H4/MC4/Sunclix(optional)	
Output (AC)		
Nominal AC power [W]	2500	3000
Max. AC power [W]	2500	3000
Nominal AC voltage; range [V]	230;180~270	
AC grid frequency; range [Hz]	50/60; 45~55/55~65	
Max.AC current [A]	12.5	13.5
Power factor	0.8 leading~0.8 lagging	
Total harmonic distortion(THD)	<3%	<3%
Efficiency		
MPPT efficiency	99.9%	99.9%
European efficiency	>97.0%	>97.0%
Max. efficiency	97.2%	97.2%
Safety Equipment		
Leakage current monitoring unit	Integrated	
DC switch	Optional	
Islanding protection	Integrated	
Grid monitoring	G83/2, VDE0126-1-1, AS4777.2&3, EN50438, ERDF-NOI-RES_13E	
Reference Standard		
EMC standard	EN 61000-6-1, EN61000-6-2, EN61000-6-3,EN61000-6-4, EN61000-3-2, EN61000-3-3	
Safety standard	IEC62109-1&-2	
Environment		
IP protection	IP65	
Operating Temperature Range	-25 to 60°C (up to 45°C derating)	
Relative humidity	0~95%	
Altitude [m]	4000m (up to 2000m derating)	
Noise emission(typical) [dB]	<25	
General Data		
Dimensions(W×H×D)[mm]	344×274.5×128mm	
Weight [kg]	8.5	
Housing	For outdoor and indoor	
Mounting information	Wall mounting	
Topology	Transformerless	
Cooling concept	Natural convection	
Display	LCD	
Communication interfaces	USB2.0; RS485(standard) Wi-Fi(optional)	
Standard warranty [years]	5 (10 optional)	