

ZEUS APPOLLO™

Z20 Series 4KT/5KT/6KT/8KT/9KT/10KT

Efficiency

- ⚡ Maximum efficiency up to 96.8%
- ⚡ Low startup voltage (180V)
- ⚡ THDi less than 2%
- ⚡ 45°C full-load output
- ⚡ Wide MPPT voltage range

Features

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



Z20 Series Three Phase Inverter

Zeus Appollo's Z2014KT/5KT/6KT/8KT/9KT/10KT 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 and commercial applications. With Zeus Appollo, we put you in full control of your solar needs.

Technical data

Z2014KT/5KT/6KT



	Z2014KT	Z2015KT	Z2016KT
DC Input Data			
Max.recommended DC power[W]	4200	5200	6200
Max.DC voltage [V]	1000	1000	1000
Max. input current [A]	11/11	11/11	11/11
MPPT Voltage Range [V]	200~800	200~800	200~800
Min.DC voltage/turn-on voltage [V]	180	180	180
No.of MPP trackers/No. of DC connection per MPPT	2/1	2/1	2/1
Output (AC)			
Nominal AC power [W]	4000	5000	6000
Max. AC power [W]	4000	5000	6000
Nominal AC voltage; range [V]		400;310~480	
AC grid frequency; range [Hz]		50/60; 45~55/55~65	
Max.AC current [A]	7	8.5	10
Power factor(full load)		0.8 leading~0.8 lagging	
Total harmonic distortion(THD)	<1.5%	<1.5%	<1.5%
Efficiency			
MPPT efficiency	99.9%	99.9%	99.9%
European efficiency	>97.8%	>97.8%	>97.8%
Max. efficiency	98%	98%	98%
Safety and Protection			
DC disconnect device		Integrated	
Internal overvoltage protection		Integrated	
Grid monitoring/earth fault monitoring		Integrated	
Islanding protection		Integrated	
RCD protection		Integrated	
Reference Standard			
Grid standard	VDE-AR-N4105, AS4777.2&3,IEC62109-2,VDE0126-1-1+A1, EN50438,G83/2		
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, AS3100		
Environment			
IP protection		IP65	
Operating Temperature Range		-25 to 60°C (up to 45°C derating)	
Relative humidity		0~95%	
Altitude [m]		4000m	
Noise emission(typical) [dB]		<30	
General Data			
Dimensions(W×H×D)[mm]		516×474×192mm	
Weight [kg]		24	
Cooling concept		Natural convection	
Topology		Transformerless	
LCD Display		5.0" LCD	
Communication interfaces		USB2.0; RS485(standard) Wi-Fi(optional)	
Standard warranty [years]		5 (10 optional)	

Technical data

Z20I8KT/9KT/10KT



	Z20I8KT	Z20I9KT	Z20I10KT
DC Input Data			
Max.recommended DC power[W]	8300	9400	10500
Max.DC voltage [V]	1000	1000	1000
Max. input current [A]	11/11	11/11	11/11
MPPT Voltage Range [V]	200~800	200~800	200~800
Min.DC voltage/turn-on voltage [V]	180	180	180
No.of MPP trackers/No. of DC connection per MPPT	2/1	2/1	2/1
Output (AC)			
Nominal AC power [W]	8000	9000	10000
Max. AC power [W]	8000	9000	10000
Nominal AC voltage; range [V]		400;310~480	
AC grid frequency; range [Hz]		50/60; 45~55/55~65	
Max.AC current [A]	12.1	13.6	15.2
Power factor(full load)		0.8 leading~0.8 lagging	
Total harmonic distortion(THD)	<2%	<2%	<2%
Efficiency			
MPPT efficiency	99.9%	99.9%	99.9%
European efficiency	>98.0%	>98.0%	>98.0%
Max. efficiency	98.3%	98.3%	98.3%
Safety and Protection			
DC disconnect device		Integrated	
Internal overvoltage protection		Integrated	
Grid monitoring/earth fault monitoring		Integrated	
Islanding protection		Integrated	
RCD protection		Integrated	
Reference Standard			
Grid standard	VDE-AR-N4105, AS4777.2&3,IEC62109-2,VDE0126-1-1+A1, EN50438,G83/2		
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, AS3100		
Environment			
IP protection		IP65	
Operating Temperature Range		-25 to 60°C (up to 45°C derating)	
Relative humidity		0~95%	
Altitude [m]		4000m	
Noise emission(typical) [dB]		<30	
General Data			
Dimensions(W×H×D)[mm]		516×474×192mm	
Weight [kg]		24	
Cooling concept		Natural convection	
Topology		Transformerless	
LCD Display		5.0" LCD	
Communication interfaces		USB2.0; RS485(standard) Wi-Fi(optional)	
Standard warranty [years]		5 (10 optional)	