

ZEUS APPOLLO™

Z20 Series 4KTL/5KTL/6KTL

Efficiency

- ⚡ Maximum efficiency up to 96.8%
- ⚡ Low startup voltage (180V)
- ⚡ THDi less than 1.5%
- ⚡ 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 Z20I4KTL/5KTL/6KTL 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 and commercial applications. With Zeus Appollo, we put you in full control of your solar needs.

Technical data

Z20I4KTL/5KTL/6KTL



	Z20I4KTL	Z20I5KTL	Z20I6KTL
DC Input Data			
Max.recommended DC power[W]	4200	5200	6200
Max.DC voltage [V]	600	600	600
Max. input current [A]	11/11	11/11	11/11
MPPT Voltage Range [V]	200~550	200~550	200~550
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	>95.5%	>95.5%	>95.5%
Max. efficiency	96.8%	96.8%	96.8%
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		AS4777.2&3,IEC62109-2,	
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)	