

# ZEUS APPOLLO™

## Z20 Series 15KT/17KT/20KT/25KT

### Efficiency

- ⚡ Maximum efficiency up to 96.8%
- ⚡ Low startup voltage (250V)
- ⚡ THDi less than 1.5%
- ⚡ 45°C full-load output
- ⚡ Wide MPPT voltage range

### Features

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



### Z20 Series Three Phase Inverter

Zeus Appollo's Z20i15KT/17KT/20KT/25KT 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 commercial applications. With Zeus Appollo, we put you in full control of your solar needs.

# Technical data

## Z2015KT/17KT



	Z2015KT	Z2017KT
<b>DC Input Data</b>		
Max.recommended DC power[W]	19500	22100
Max.DC voltage [V]	1000	1000
Max. input current [A]	22/22	22/22
MPPT Voltage Range [V]	260~850	260~850
Min.DC voltage/turn-on voltage [V]	250	250
No.of MPP trackers/No. of DC connection per MPPT	2/2	2/2
<b>Output (AC)</b>		
Nominal AC power [W]	15000	17000
Max. AC power [W]	15000	17000
Nominal AC voltage; range [V]		400;310~480
AC grid frequency; range [Hz]		50/60; 45~55/55~65
Max.AC current [A]	25	25
Power factor(full load)		0.8 leading~0.8 lagging
Total harmonic distortion(THD)	<1.5%	<1.5%
<b>Efficiency</b>		
MPPT efficiency	99.9%	99.9%
European efficiency	>97.7%	>97.7%
Max. efficiency	98.2%	98.2%
<b>Safety and Protection</b>		
DC disconnect device		Integrated
Internal overvoltage protection		Integrated
Grid monitoring/earth fault monitoring		Integrated
Islanding protection		Integrated
RCD protection		Integrated
<b>Reference Standard</b>		
Grid standard	VDE-AR-N 4105, G59/3, NRS097-2-1 AS4777.2&3, IEC62109-2 VDE0126-1-1, RD1699, EN50438 ERDF-NOI-RES_13E	G59/3, EN50438 AS4777.2&3 VDE0126-1-1 NRS097-2-1 IEC62109-2 MEA,PEA RD1699 ERDF-NOI-RES_13E
EMC standard	EN 61000-6-1, EN61000-6-2, EN61000-6-3,EN61000-6-4, EN61000-3-11, EN61000-3-12	
Safety standard	IEC62109-1&-2, AS3100	
<b>Environment</b>		
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]		<45
<b>General Data</b>		
Dimensions(W×H×D)[mm]		516×650×203mm
Weight [kg]	39	39
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

## Z20I20KT/25KT



	Z20I20KT	Z20I25KT
<b>DC Input Data</b>		
Max.recommended DC power[W]	26000	32500
Max.DC voltage [V]	1000	1000
Max. input current [A]	22/22	27/27
MPPT Voltage Range [V]	260~850	260~850
Min.DC voltage/turn-on voltage [V]	250	250
No.of MPP trackers/No. of DC connection per MPPT	2/2	2/3
<b>Output (AC)</b>		
Nominal AC power [W]	20000	25000
Max. AC power [W]	20000	25000
Nominal AC voltage; range [V]		400;310~480
AC grid frequency; range [Hz]		50/60; 45~55/55~65
Max.AC current [A]	30	37
Power factor(full load)		0.8 leading~0.8 lagging
Total harmonic distortion(THD)	<1.5%	<1.5%
<b>Efficiency</b>		
MPPT efficiency	99.9%	99.9%
European efficiency	>98.1%	>98.1%
Max. efficiency	98.4%	98.4%
<b>Safety and Protection</b>		
DC disconnect device		Integrated
Internal overvoltage protection		Integrated
Grid monitoring/earth fault monitoring		Integrated
Islanding protection		Integrated
RCD protection		Integrated
<b>Reference Standard</b>		
Grid standard	VDE-AR-N 4105 VDE0126-1-1 G59/3	CQC NB/T 32004-2013
EMC standard	EN 61000-6-1, EN61000-6-2, EN61000-6-3,EN61000-6-4, EN61000-3-11, EN61000-3-12	
Safety standard	IEC62109-1&-2, AS3100	
<b>Environment</b>		
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]		<45
<b>General Data</b>		
Dimensions(W×H×D)[mm]		516×650×203mm
Weight [kg]	39	40
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)