

## Model and Technical Data

Inverter Model	GT20K-ZX-01	GT100K-ZX-01	GT250K-ZX-01	GT500K-ZX-01
Date input				
Max.DC Power [KWp]	21	115	280	560
Max.DC Voltage [V]	1000	850	850	850
Max.DC current[A]	2x18	250	600	1200
PV Voltage range, MPPT [V]	430 ~ 850	450 ~ 820	450 ~ 820	450 ~ 820
Number of MPP trackers	2	1	1	1
Max.number of strings	2x2	4	8	16
Output data				
Nominal AC power kW]	20	100	250	500
Nominal AC current [A]	28	145	550	1100
communicationconnection mode	3/N/PE, 380V	3/PE,380V	3/PE,270V	3/PE,270V
grid frequency [Hz]	50/60	50/60	50/60	50/60
Power factor	0.9advance ... 0.9lag	0.9 advance ... 0.9 lag	0.9 advance... 0.9 lag	0.9 advance ... 0.9 lag
THD	<3% (rated)	<3% (rated)	<3% (rated)	<3% (rated)
Efficiency				
Max.efficiency	98%	97.1%	98.2%	98.6%
Euro-ETA	97.6%	96.7%	97.7%	98.3%
General data				
Dimensions (W*H*D)[mm]	700*480*230	1200*2060*700	2400*2060*800	2800*2100*850
Weight [kg]	40	800	1200	2000
Operating temperature range	-25°C ~ +55°C	-20°C ~ +50°C	-20°C ~ +50°C	-25°C ~ +50°C
Ambient humidity	0 ~ 95%	0 ~ 95%	15% ~ 95%	15% ~ 95%
altitude[m]	>1.5km derating work	>2km derating work	>1km derating work	>1km derating work
Enclosure type	IP54	IP21	IP20	IP20
Topological structure	Without transformer	Without transformer	Without transformer	Without transformer
Consumption (night) [W]	<0.5	<10	<100	<100
Cooling concept	Air-coole	Air-coole	Air-coole	Air-coole
Noise levels (typical) [dB]	<56	<65	<70	<70
display	LCD	Touch screen LCD	Touch screen LCD	Touch screen LCD
interface	RS485/RS232	RS485/RS232	RS485/RS232	RS485/RS232
Warranty [year]	5	5	5	5

