

New
version

arka

ON GRID SOLAR INVERTER

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YEARS
GUARANTEE

SOLAR INVERTER
THREE PHASE

GS-17000-T
GS-20000-T
GS-25000-T

Three Phase

GS-17000-T /GS-20000-T /GS-25000-T



Model	GS-17000-T	GS-20000-T	GS-25000-T
INPUT (DC)			
Max. input power	25.5kW	30kW	37.5kW
Max. input voltage	1100Vdc		
Start-up voltage	180Vdc		
MPPT voltage range	160~1000Vdc		
Max. input current	20A/20A	20A/40A	
Max. short-circuit current	25A/25A	25A/50A	
Number of MPPTs	2		
Max number of input strings	2 strings(1/1)	3 strings(1/2)	
OUTPUT (AC)			
Read output power	17kW	20kW	25kW
Max. apparent power	18.7kVA	22kVA	27.5kVA
Max. output current (400V grid)	27A	31.8A	39.7A
Max. output current (380V grid)	28.4A	33.5A	41.8A
Rated grid voltage	400V / 380V, 3W+N+PE		
Grid voltage range	320 ~ 480V		
Rated grid frequency	50Hz / 60Hz		
Grid frequency range	45 ~ 55Hz / 55 ~ 65Hz		
THDc	< 3% (rated power)		
Out current DC component	< 0.5% I _n		
Power factor	> 0.99 (rated power)		
Power factor adjustable	0.8 leading ~ 0.8 lagging		
Efficiency			
Max. efficiency	98.70%		
European efficiency	98.20%		
Mechanical specifications			
Dimensions (W × H × D)	320 x 480 x 215 mm		
Weight (kg)	20kg		

General information

Operating temperature (°C)	-25 ~ +60 (> 45 derating)
Operating humidity	0 ~ 100% (non-condensing)
IP rating	IP66

Others

Protections	DC reverse polarity protection, DC input impedance monitoring, Leakage current protection, Output short-circuit protection, Anti-Islanding protection, Output overcurrent protection, Output overvoltage protection, DC surge protection, AC surge protection
Protective class	I
Overvoltage category	II(DC) / III(AC)
Display	LED
Self-consumption at night	< 1W
Cooling	Fan cooling
Installation method	Wall-mounted
Body Material	Aluminum
Isolation	Transformerless
Standards	IEC/EN 62109-1, IEC/EN 62109-2 IEC 61727, IEC 62116 EN 50530, IEC 61000-6-1 IEC 61000-6-2, IEC 61000-6-3 IEC 61000-6-4
Altitude	4000m (> 2000m derating)
Type designation	Rev 02