



Trinergy Series

3 phase 10 / 12 / 15 / 17 / 20kW
PV Inverter

- Balance 3 phase output
- 3 level technology and maximum efficiency up to 98.1%
- 2 MPP tracking function
- Graphic display
- Output power 10 / 12 / 15 / 17 / 20kW
- IP65 water / dust proof enclosure
- Rapid connector for input / output



Model	TRINERGY 10K	TRINERGY 12K	TRINERGY 15K	TRINERGY 17K	TRINERGY 20K
Output Specification(AC)					
Maximum AC Output	10kW	12kW	15kW	17kW	20kW
Maximum AC Output Current	15.2A	19A	23A	25A	30A
Norminal AC Voltage	320~450Vac 3 phase				
Grid AC Frequency	50Hz/60Hz				
Power Factor (PF)	>0.99(adj.+/-0.9)				
Total Harmonic Distortion (THD)	<3%				
Input Specification (DC)					
Maximum DC Power	10400Wp	12500Wp	15600Wp	17700Wp	20800Wp
Maximum DC Input Current	2x 18A		2x 25A		
MPPT No. /Input No. per MPPT	2/3		2/4		
Maximum DC Input Voltage	1000Vdc				
MPP Tracking Voltage Range	300~800Vdc	350~800Vdc	330~800Vdc	350~800Vdc	410~800Vdc
PV Start Voltage	300Vdc				
Efficiency					
MPPT Efficiency			99.90%		
Maximum Efficiency	98.00%	98.00%	98.10%	98.10%	98.10%
Euro. Efficiency	97.00%	97.20%	97.40%	97.50%	97.70%
Night Consumption	<1W				
General Specification					
Dimensions (WxHxD) in mm	560 x 650 x 235mm		650 x 700 x 235mm		
Weight	35Kg	37Kg	40Kg	42Kg	45Kg
Cooling Concept	Forced Cooling (According temperature)				
Acoustic Noise Level	<50dB				
Operation Temperature	-25~+60°C (> 45°C derating)				
Humidity	15~95%				
Protection Degree	IP65				
Topology	Transformerless				
Features					
DC Connection	Rapid Connector				
AC Connection	Rapid Connector				
Display	Graphic LCD				
Communication Interface	RS485				
Grid Code/ Safety	VDE-AR-N 4105; IEC62109-1/-2				

