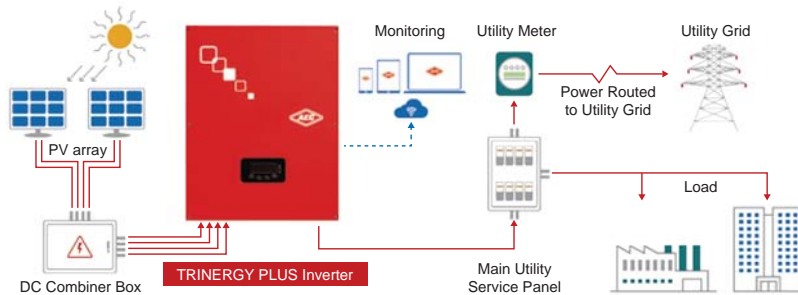
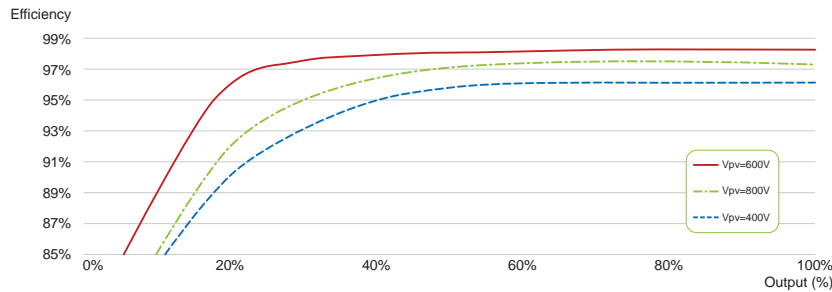


TRINERGY PLUS SERIES

Three phase Grid-Tide
10 kW – 70kW

Features :

- Dual independent MPPTs(10kw-30kw), each MPPT can work up to 60% of maximum DC power
- High efficiency and stable performance at entire input voltage and output power range
- Maximum efficiency is up to 98.5%
- Wide input voltage range gives more possibilities for applying wild range of PV modules
- BUS capacitor adopts advanced film capacitor, designed with the advanced thermal simulation technology for longer lifespan
- RS485 communication modes are optional for realizing multiple monitoring solutions via PC, mobile phones, internet etc. platforms
- Horizontal air flow design, easy for maintenance



Specification :

Model	Trinergy Plus-10kW	Trinergy Plus-20kW	Trinergy Plus-30kW	Trinergy Plus-40kW	Trinergy Plus-50kW	Trinergy Plus-60kW	Trinergy Plus-70kW
Output Data (AC)							
Rated power	10,000W	20,000W	30,000W	40,000W	50,000W	60,000W	66,000W
Maximum AC Output Current	14 a.c.A	32 a.c.A	48 a.c.A	64 a.c.A	80 a.c.A	96 a.c.A	96 a.c.A
Rated AC Voltage Range	3/PE,230/400V,(320~460V) ; 3/PE,220/380V,(320~460V)		3/N/PE, 230/400V , (320~460V) ; 3/N/PE, 220/380V , (320~460V)		3/N/PE,230/400V, (310~460V)		
Grid AC Frequency	50Hz (47 ~ 51.5Hz) / 60Hz (57 ~ 61.5Hz)						
Power Factor	- 0.8 ~ + 0.8 (Adjustable)						
Total Harmonic Distortion	< 3% (at rated power)						
AC connection / Grid forms	Three-phase (L1, L2, L3, PE) or (L1, L2, L3, N, PE)						
Input Data (DC)							
Maximum DC Votage	1,000 d.c.V			1,100 d.c.V			
Starting voltage	220 d.c.V	300d.c.V		200d.c.V			
Min. operation voltage	150 d.c.V	280 d.c.V		570d.c.V			
MPPT Operating voltage range/Rated voltage	200~800 d.c.V/ 580 d.c.V		280~800 d.c.V / 610d.c.V		570~950 d.c.V/ 740d.c.V		
Maximum DC Power	11,000 W	20,800 W	33,000 W	55,000 W	66,000 W	72,000 W	77,000 W
Number of MPPT/ String per MPPT	2/1	2/3		1/10	1/12	1/14	
Number of MPPT x Maximum DC Current Per MPPT	2x 12.5 d.c.A	2x25 d.c.A	2x33 d.c.A	1x74 d.c.A	1x90 d.c.A	1x120 d.c.A	1x120 d.c.A
DC Switch	Optional	Integrated					
Efficiency							
MPPT Efficiency	99.9%						
Maximum Efficiency	98.3%	98.4%	98.5%	98.9%	98.9%	99.0%	99.0%
Euro. Efficiency	97.8%	98.0%	98.0%	98.5%	98.5%	98.5%	98.5%
Consumption at Night	< 0.5W						
General Specification							
Dimensions (H xW x D) in mm	575 x 360 x 150	660 x 520 x 250		810 x 645 x 235			
Weight	23kg	52kg		53kg			
Cooling Concept	Smart Cooling method						
Acoustic Noise Level	< 50dB			< 60dB			
Operating Temperature	-25 °C to +60 °C, > +45 °C derating						
Relative Humidity	0 to 95%, non-condensing						
Protection Degree	IP65						
Topology	Transformerless						
Features							
Display	LCD display, support backlight display						
Keyboard	Integrated						
Communication Interface	RS485 (Standard)						
Safety	IEC2109-1, IEC62109-2, IEC61000, IEC61727, IEC62116 , IEC60068, IEC61683, VDE-AR-N4105:2011, DIN VDE V 0124-100:2012, DIN VDE 0126-1-1:2013	IEC62109-1, IEC62109-2, IEC61000, IEC61727, IEC62116 , IEC60068, IEC61683, VDE-AR-N4105:2011, DIN VDE V 0124-100:2012, DIN VDE 0126-1-1:2013	IEC2109-1, IEC62109-2, VDE-AR-N4105:2011, DIN VDE V 0124-100:2012, DIN VDE 0126-1-1:2013				
Warranty	5 years						

*Specifications are subject to change without prior notice.