

Photovoltaic Inverter

Renewable Energy -Environmentally Friendly and Low Cost Energy Solutions





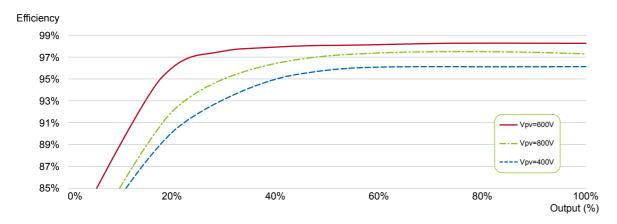
TRINERGY PLUS SERIES

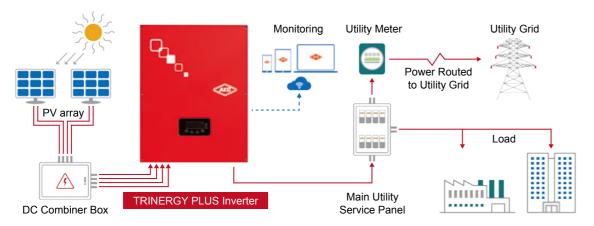
Three phase Grid-Tide 10 kW – 70kW

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:

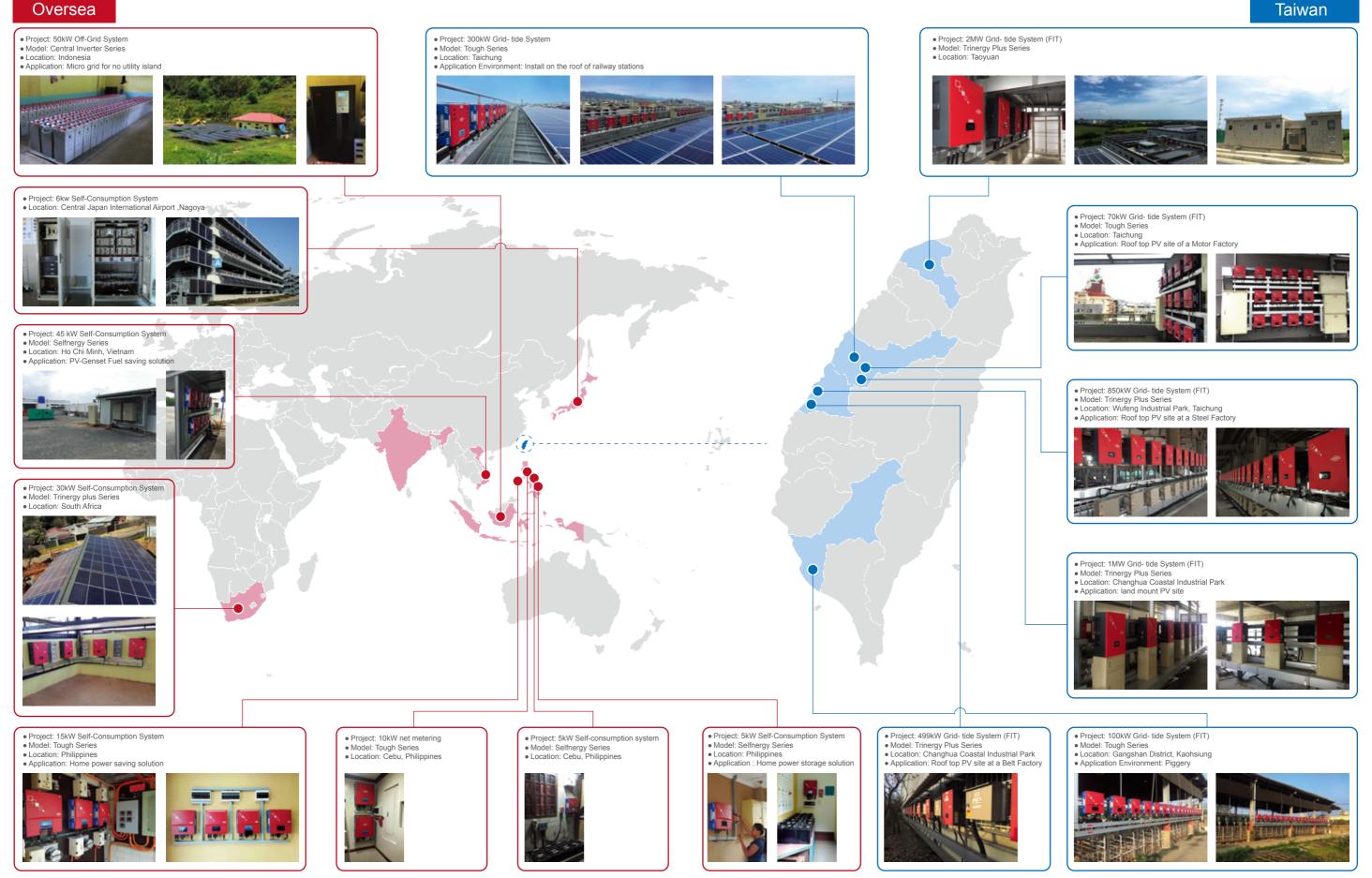
Trinergy Plus-10kW	Trinergy Plus-20kW	Trinergy Plus-30kW	Trinergy Plus-40kW	Trinergy Plus-50kW	Trinergy Plus-60kW	Trinergy Plus-70kW	
10,000W	20,000W	30,000W	40,000W	50,000W	60,000W	66,000W	
14 a.c.A	32 a.c.A	48 a.c.A	64 a.c.A	80 a.c.A	96 a.c.A	96 a.c.A	
3/PE,230/400V,(320~460V); 3/PE,220/380V,(320~460V)	1 (320~460\/) · 3/N/PE 3/N/PE 230/400\/ (310~460\/)					V)	
	50Hz (47	~ 51.5Hz) / 6	60Hz (57 ~ 6	1.5Hz)			
- 0.8 ~ + 0.8 (Adjustable)							
< 3% (at rated power)							
Т	hree-phase (l	_1, L2, L3, PE	E) or (L1, L2,	L3, N, PE)			
1,000 d	1,000 d.c.V			1,100 d.c.V			
220 d.c.V	300d.c.V		200d.c.V				
150 d.c.V	280	d.c.V		570d.c.V			
200~800 d.c.V/ 580 d.c.V	280~800 d.c	.V / 610d.c.V		570~950 d.d	c.V/ 740d.c.V		
11,000 W	20,800 W	33,000 W	55,000 W	66,000 W	72,000 W	77,000 W	
2/1	,	,	1/10	1/12	1/14		
2× 12.5 d.c.A	2×25 d.c.A	2×33 d.c.A	1×74 d.c.A	1×90 d.c.A	1×120 d.c.A	1×120 d.c.A	
Optional			Integ	rated		,	
		99.99	%				
98.3%	98.4%	98.5%	98.9%	98.9%	99.0%	99.0%	
97.8%	98.0%	98.0%	98.5%	98.5%	98.5%	98.5%	
		< 0.5	W			,	
575 × 360 × 150	660 × 52	20 × 250	810 × 645 × 235				
23kg	52	!kg	53kg				
Ü							
< 500	dB		< 60dB				
	-25 °C	to +60 °C, >	+45 °C derating				
0 to 95%, non-condensing							
IP65							
Transformerless							
LCD display. support backlit display							
Integrated							
RS485 (Standard)							
IEC2109-1, IEC62109-2, IEC61000, VDE-AR-N4105:2011,	IEC62 IEC6 IEC62 IEC62	109-1, 109-2, 1000, 1727, 2116,	IEC2109-1, IEC62109-2,				
	10,000W 14 a.c.A 3/PE,230/400V,(320~460V); 3/PE,220/380V,(320~460V) T 1,000 d 220 d.c.V 150 d.c.V 200~800 d.c.V/ 580 d.c.V 11,000 W 2/1 2× 12.5 d.c.A Optional 98.3% 97.8% 575 × 360 × 150 23kg < 50d IEC2109-1, IEC62109-2, IEC61000,	10,000W 20,000W 14 a.c.A 32 a.c.A 3/PE,230/400V,(320~460V); 3/PE,220/380V,(320~460V); 3/PE,220/380V,(320~460V); 3/PE,220/380V,(320~460V); 3/PE,220/380V,(320~460V); 50Hz (47	10,000W	10,000W	Timergy Plus-10kW Plus-20kW Plus-30kW Plus-40kW Plus-50kW	Timergy Plus-10kW	

^{*}Specifications are subject to change without prior notice.

06



Success Applications



Have installed more than 200MW PV sites since 2011...

Solar Power System Demonstration

Feed-in Tariff Application at Yangmei Factory

- · System Capacity : 498 kW
- · PV Modules : 295W × 1,961 pieces
- · Inverter Model: Trinergy plus 30 kW × 14 units and 20 kW × 2 units
- Average power generation estimated by year: = 492,104 kWh
 (about 2.9 kWh/day/kW × 498 kW × 365days)







Rooftop Mounting PV System



Trinergy plus PV Inverter

Brace Co. Ltd PV Monitoring System | Section | Proceedings | Section | S

Advanced Web Monitoring System

Why Solar Power...

- · Electrical bill saving
- · Safe, reliable and efficient power generator
- Reduce carbon footprint and emit no pollution
- · Versatile and convenient
- · Customized design

Why Allis' Inverter...

- · Optimum productivity
- · Wide range of MPPT voltage
- Full range product line from 3.3kW to 1,260kW, single to three phase
- 50 years stable operation company with professional experience in power electricity

Product Catalog

Model	Max. DC Voltage (d.c.V)	Max. Input Current (d.c.A)	Max. DC Input Power (W)	MPPT	Battery
Tough-3300	050	10 × 2	3,600	2	
Tough-5000	650	15 × 2	5,300	2	
Trinergy Plus-10kW	1,000	12.5 × 2	11,000	2	
Trinergy Plus-20kW		25 × 2	20,800	2	
Trinergy Plus-30kW		33 × 2	33,000	2	No
Trinergy Plus-40kW	1,100	74 × 1	55,000	1	
Trinergy Plus-50kW		90 × 1	66,000	1	
Trinergy Plus-60kW		120×1	72,000	1	
Trinergy Plus-70kW		120×1	77,000	1	
Selfnergy-3300	650	18 × 1	3,600	1	Yes
Selfnergy-5000		24.5 × 1	5,300	1	
Selfnergy-L 3.6K	550	11 × 2	4,000	2	
Selfnergy- L 5K		11 × 2	5,500	2	
AEC500K-B	4.000	1,200 × 1	560,000	1	No
AEC630K-B	1,000	1,350 × 1	710,000	1	
AEC1000K-B	1,000	2 × 1,200 × 2	1,120,000	2	
AEC1260K-B		2 × 1,350 × 1	1,420,000	2	

02





Address: 12F., NO.19-11, Sanchong Rd., Nangang Dist., Taipei City 11501, Taiwan, R.O.C.

Telephone: 886-2-26553456

Fax: 886-2-26553388

E-Mail: tonychang@allis.com.tw / sales@allis.com.tw