

Photovoltaic Inverter

Renewable Energy -Environmentally Friendly and Low Cost Energy Solutions



Global Service

Allis Electric Co., Ltd

http://www.allis.com.tw

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Yangmei Factory :

Address: No.202, Ln. 800, Zhongshan S. Rd., Yangmei Dist., Taoyuan City 32669, Taiwan, R.O.C.

Tel: +886-3-475-5191

Hsinchuang Factory :

Address: No.317, Qionglin S. Rd., Xinzhuang Dist., New Taipei City 24264, Taiwan, R.O.C.

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AEC International S.r.L

http://www.aecups.com/

Address: Via Grandi, 44 I-20017 RHO MI, Italy

Tel: +39-0291531689-90-91 E-mail: bruno@aecups.com

Impact Power, Inc.

http://www.impactpwr.com

Address: 18218 McDurmott St., Suite D, Irvine, CA 92614, USA

Tel: +1-949-477-9198

E-mail: sales@impactpwr.com

PHD Powerhouse Distributions (PTY) LTD.

http://www.phdpowerhouse.co.za/

Address: 115 10th Road, Kew, Johannesburg, South Africa 2090

Tel: +27 (0)11-346-1812

E-mail: info@phdpowerhouse.co.za



Allis was established on September 25th, 1968 as the expert manufacturer of heavy electrical apparatus in Taiwan. Its steady operation led to the development of equipments for power solutions, such as Transformers, Switchgear, Uninterruptable Power Supply, Switching Mode Rectifier, and PV Inverter. Started as a producer of Low-voltage Switchgear, Motor Control Centers, High/Low-voltage Integrated Star-up Panels, AC/DC Industrial Control Equipment, and Transmission and Distribution Apparatus, Allis has 50 years experience across IT, Telecommunication, Industry, Railway, and Utility field. Allis' products are designed to meet the standard requirements of renowned corporations around the world, such as Los Angeles Department of Water and Power, Toshiba, Taiwan Semiconductor Manufacturing Company, etc. A successful public offering in Taiwan Stock Exchange (TWSE) since 1994 has allowed Allis Electric to continue its steady growth.

In response to recent trend on global warming and climate change, Allis continues to devote its research and development in years to provide high efficiency and reliable green and energy saving products to maintain the environmental sustainability of power generation. Based on 50 years professional experiences of offering and customizing the best power quality to facilities and systems, Allis' Photovoltaic (PV) Inverter series have been designed to provide high efficiency and reliable solar energy. With mission to pursuit continuation of customer satisfaction, Allis' PV Inverters have been designed to use in versatile applications: residential premises, commercial buildings, and power plants.



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

Belletic Co, 165 PV Monitoring System September System September Coding System Coding 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 | | 12.5 × 2 | 11,000 | 2 | |
| Trinergy Plus-20kW | 1,000 | 25 × 2 | 20,800 | 2 | |
| Trinergy Plus-30kW | | 33 × 2 | 33,000 | 2 | No |
| Trinergy Plus-40kW | | 74 × 1 | 55,000 | 1 | |
| Trinergy Plus-50kW | 1,100 | 90 × 1 | 66,000 | 1 | |
| Trinergy Plus-60kW | | 120×1 | 72,000 | 1 | |
| Trinergy Plus-70kW | | 120×1 | 77,000 | 1 | |
| Selfnergy-3300 | 050 | 18 × 1 | 3,600 | 1 | |
| Selfnergy-5000 | 650 | 24.5 × 1 | 5,300 | 1 | Yes |
| Selfnergy-L 3.6K | 550 | 11 × 2 | 4,000 | 2 | res |
| Selfnergy- L 5K | 550 | 11 × 2 | 5,500 | 2 | |
| AEC500K-B | 1,000 | 1,200 × 1 | 560,000 | 1 | |
| AEC630K-B | 1,000 | 1,350 × 1 | 710,000 | 1 | No |
| AEC1000K-B | 1,000 | 2 × 1,200 × 2 | 1,120,000 | 2 | No |
| AEC1260K-B | 1,000 | 2 × 1,350 × 1 | 1,420,000 | 2 | |



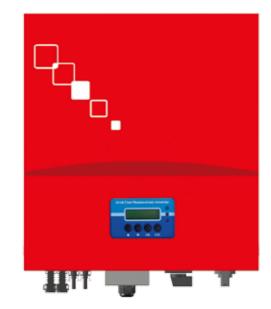
TOUGH SERIES

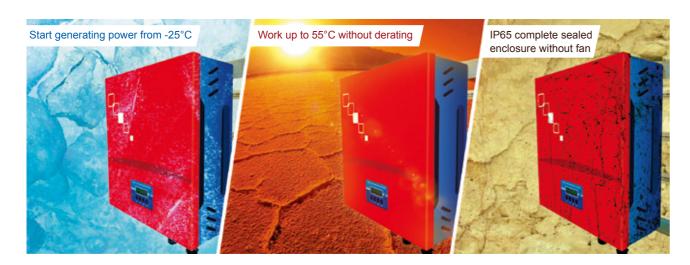
Single phase Grid-Tied

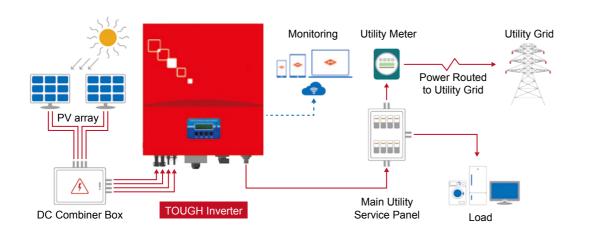
3.3 kW - 5kW

Features:

- Select Single/Dual MPPT (Maximum power point tracking) automatically, the range of MPPT: 150-500 Vdc
- Maximum DC voltage is up to 650V to design system on best MPPT easily
- · Maintenance-free fan-less nature cooling design.
- · Modbus RS485 supported for monitoring
- Conformity to the EMC, Low Voltage Directives and Standards, e.g. 2004 /108 / EC, 2006 / 95 / EC, IEC / EN 62109-1 / -2 and VDE-AR-N 4105.







Specification:

| Model | Tough-3300 | Tough-5000 | |
|--|-------------------------------------|------------------|--|
| Output Data (AC) | | | |
| Maximum AC Output | 3,300W | 5,000W* | |
| Maximum AC Output Current | 16.5 a.c.A | 22 a.c.A | |
| Nominal AC Voltage | 220 a.c.V-240 a.c.V | | |
| Grid AC Frequency | 50/60Hz, auto-selection | | |
| Power Factor | > 0.99 @ 20% load | | |
| Reactive Power Factor | 1 or adjustable from -0.9 to +0.9** | | |
| Total Harmonic Distortion | < 3% | | |
| AC connection / Grid forms | Single-Phase / TN | -C, TN-S, TN-C-S | |
| Input Data (DC) | | | |
| Maximum DC Power | 3,600W | 5,300W | |
| Maximum DC Input Current | 2 x 10 d.c.A | 2 x 15 d.c.A | |
| Max. number of MPP Trackers | 2 | | |
| Maximum DC Voltage | 650 c | d.c.V | |
| MPP Tracking Voltage Range | 150-500 | | |
| Peak Power Tracking Voltage Range | 200-460 d.c.V | | |
| Efficiency | | | |
| MPPT Efficiency | >99.9% | | |
| Maximum Efficiency | 96.5% | 96.9% | |
| Euro. Efficiency | 96.1% | 96.6% | |
| Consumption: Standby / Night | <12.5W / <0.2W | | |
| General Specification | | | |
| Dimensions (W x H x D) in mm | 405 x 44 | 2 x 165 | |
| Weight | 25.8kg | | |
| Cooling Concept | Natural Cooling | | |
| Acoustic Noise Level | < 35dB | | |
| Maximum Operating Temperature Range without derating | -25 °C to +60 °C | -20 °C to +55 °C | |
| Ambient Temperature Range | -25 °C to | 0 +60 °C | |
| Relative Humidity | 0 to 95%, non-condensing | | |
| Protection Degree | IP65 | | |
| Topology | Transformerless | | |
| Features | | | |
| DC Connection | MC4 | | |
| DC Disconnect | yes | | |
| AC Connection | AC connectors | | |
| Display | LCD screen | | |
| Communication Interface | RS232 ,RS485 ; Bluetooth (Option) | | |
| Safety | VDE-AR-N 4105 ; IEC 62109-1 / -2 | | |
| Warranty | 5 years | | |

^{*} For VDE-AR-N4105, the inverter is rated 4,600VA

^{**} Ajustable from 0.95 over-excited to 0.95 under-excited with VDE-AR-N 4105

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



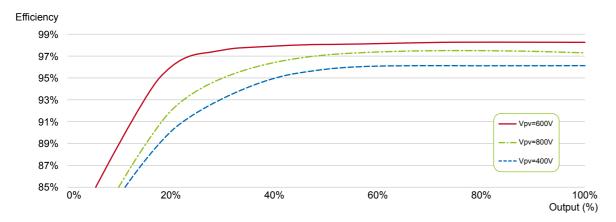
TRINERGY PLUS SERIES

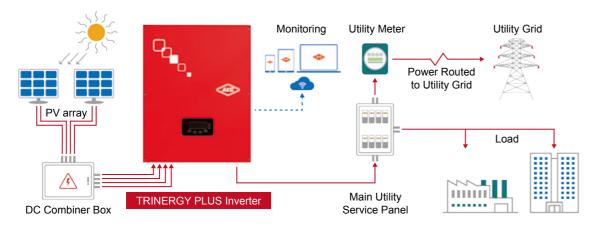
Three phase Grid-Tide 10 kW – 70kW

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 | Plus-20kW | Trinergy Plus-30kW | Trinergy Plus-40kW | Trinergy Plus-50kW | Trinergy Plus-60kW | Trinergy Plus-70kW |
|--|--|--|--|--|---|--|
| 1 1d3 2007 1 1d3 0007 1 1d3 4007 1 1d3 0007 1 1d3 0007 1 1d3 10 | | | | | | 1 103-7 0100 |
| 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); 3/N/PE, 230/400V, (310~460V) 3/N/PE, 230/400V, (310~460V) | | | | V) | | |
| 50Hz (47 ~ 51.5Hz) / 60Hz (57 ~ 61.5Hz) | | | | | | |
| - 0.8 ~ + 0.8 (Adjustable) | | | | | | |
| < 3% (at rated power) | | | | | | |
| _ | l // | 4 10 10 0 | (14.10 | 10 N DE\ | | |
| ı | nree-pnase (i | _1, L2, L3, PE | :) or (L1, L2, | L3, N, PE) | | |
| | | | | | | |
| 1,000 d | .c.V | | | 1,100 | d.c.V | |
| 220 d.c.V | 3000 | d.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 | | | | |
| | | | | | | T |
| 11,000 W | 20,800 W | 33,000 W | 55,000 W | 66,000 W | 72,000 W | 77,000 W |
| 2/1 | 2 | /3 | 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 Integrated | | | | | | |
| | | | | | | |
| | | 99.99 | 6 | | | |
| 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% |
| < 0.5W | | | | | | |
| | | | | | | |
| 575 × 360 × 150 660 × 520 × 250 810 × 645 × 235 | | | | | | |
| 23ka | 52 | ka | 53kg | | | |
| 23K9 | | | a mothod | | ng | |
| < 500 | | Smart Cooling | y memou | | 204B | |
| < 500 | | to 160 °C > | 145 °C dorot | | DOUB | |
| | | | | irig | | |
| | 0 | | | | | |
| | | | | | | |
| | | Transform | eriess | | | |
| | 1.00 | | | , | | |
| | | | | | | |
| Integrated | | | | | | |
| | | | | | | |
| IEC2109-1, IEC62109-2, IEC61000, 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 | | ן | IEC2109-1, IEC62109-2, VDE-AR-N4105:2011, DIN VDE V 0124-100:2012, DIN VDE 0126-1-1:2013 | | |
| | 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, VDE-AR-N4105:2011, DIN VDE V 0124-100:2012, DIN VDE V 0124-100:20 | 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); 50Hz (47 Three-phase (I 1,000 d.c.V 220 d.c.V 300c 150 d.c.V 280~800 d.c. 11,000 W 20,800 W 2/1 2.s d.c.A 2×25 d.c.A Optional 98.3% 98.4% 97.8% 98.0% 575 × 360 × 150 660 × 52 23kg 52 IEC2109-1, IEC62109-2, IEC61000, VDE-AR-N4105:2011, DIN VDE V0124-100:2012, DIN VDE V0126-1-1:2013 IEC62109-1, IEC661000, VDE-AR-N4105:2011, DIN VDE V0126-1-1:2013 IEC62109-1, IEC661000, VDE-AR-N4105:2011, DIN VDE V0126-1-1:2013 | 14 a.c.A 32 a.c.A 48 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); 50Hz (47~51.5Hz)/6 - 0.8~+0.8 (A < 3% (at rate Three-phase (L1, L2, L3, PE 1,000 d.c.V 220 d.c.V 300d.c.V 220 d.c.V 280 d.c.V 200~800 d.c.V/580 d.c.V 280~800 d.c.V/610d.c.V 11,000 W 20,800 W 33,000 W 2/1 2/3 2×12.5 d.c.A 2×25 d.c.A 2×33 d.c.A Optional 99.9% 98.3% 98.4% 98.5% 97.8% 98.0% 98.0% - 0.5 575 × 360 × 150 660 × 520 × 250 23kg 52kg Smart Cooling < 50dB -25 °C to +60 °C, > 0 to 95%, non-order IPG5 Transform LCD display, suppoon Integra RS485 (State 1EC6109-1, IEC62109-2, IEC61000, IEC61727, IEC62109-2, IEC61683, VDE-AR-N4105:2011, DIN VDE V 0124-100:2012, DIN V | 14 a.c.A 32 a.c.A 48 a.c.A 64 a.c.A 3/PE,230/400V, (320~460V); 3/N/PE, 230/400V, (320~460V); 3/N/PE, 220/380V, (320~460V); 3/N | 14 a.c.A 32 a.c.A 48 a.c.A 64 a.c.A 80 a.c.A 3/PE,230/400V,(320~460V); 3/N/PE, 230/400V, (320~460V); 3/N/PE,220/380V, (320~460V); 3/N/PE,220/380V, (320~460V); 3/N/PE,230/400V, (320~460V); 3/N/PE, 230/400V, | 14 a.c.A 32 a.c.A 48 a.c.A 64 a.c.A 80 a.c.A 96 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); 3/PE,220/380V,(320-460V); 3/PE,230/400V, 3/PE,230/400V,(310-460) 5/PE,220/380V,(320-460V); 3/PE,230/400V,(310-460) 5/PE,220/380V,(320-460V); 3/PE,230/400V,(310-460) 5/PE,220/380V,(320-460V); 3/PE,230/400V,(310-460) 5/PE,230/400V,(310-460) 5/PE,230/400 |

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



SELFNERGY SERIES

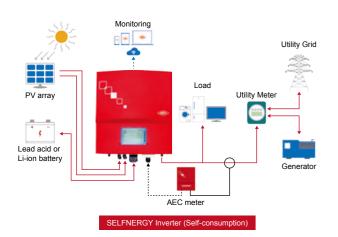
Single phase Self-Consumption Management

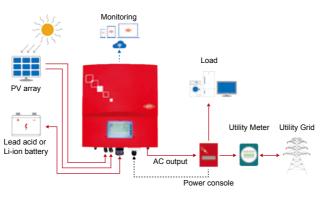
3.3 kW - 5kW

Features:

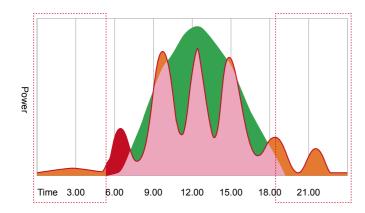
- Self consumption application of solar power energy storage system
- · User-friendly-interface to monitor energy flow easily
- · Intelligent load management with smart meter and split-core CT
- · Special external capacitor modular design extends life span
- · IP65 fan-less nature cooling design
- · Work up to 50°C without derating
- \cdot High battery discharge power (5.3kW), charge/ discharge efficiency > 95%
- Applicable to connect with Genset to maximize fuel efficiency and reduce fuel cost







SELFNERGY Inverter (Hvbrid)



- Consumption
 Consume from PV
 Charge battery
 Consume from battery
 Consume from grid
- Day PV generate energy
 - · Load consume energy from PV
 - · Extra energy charge to battery (energy stored)
- Night PV not generate energy
 - · Load consume energy from battery
 - · if battery energy not enough. load consume eneygy from grid

Specification:

| Model | Selfnergy-3300 | Selfnergy-5000 |
|--|-------------------------------------|----------------------|
| Output Data (AC) | | |
| Maximum AC Output | 3,300W | 5,000W* |
| Maximum AC Output Current | 16.5 a.c.A | 24.5 a.c.A |
| Nominal AC Voltage | 220 a.c.V-24 | 10 a.c.V |
| Grid AC Frequency | 50/60Hz, auto | -selection |
| Power Factor | > 0.99 @ 20 | |
| Reactive Power Factor | 1 or adjustable from -0.9 to +0.9** | |
| Total Harmonic Distortion | < 3% | |
| AC connection / Grid forms | Single-Phase / TN-C, TN-S, TN-C-S | |
| Input Data (DC) | 5g.66 | ,, 0, 0 |
| Maximum DC Power | 3,600W | 5,300W |
| Maximum DC Input Current | 18 d.c.A | 26.5 d.c.A |
| Max. number of MPP Trackers | 10 d.c.A | 20.0 a.c.A |
| Maximum DC Voltage | 650 d.c | · \/ |
| MPP Tracking Voltage Range | 150 d.c.V - 5 | |
| Peak Power Tracking Voltage Range | 200 d.c.V - 5 | |
| | 200 u.c. v - 4 | 00 u.c. v |
| Input Data (Battery) | 3,600W | 5,300W |
| Maximum Discharging Current | 3,600vv 18 d.c.A | 24.5 d.c.A |
| Maximum Discharging Current | | |
| Maximum Charging Current | 20 d.c. | |
| Maximum Battery Voltage | 400 d.c.V | |
| Configurable Battery Voltage Range | 198 d.c.V - 400 d.c.V | |
| Charge Control | Contant Current (CC), Co | onstant voltage (CV) |
| Efficiency | | |
| MPPT Efficiency | >99.90 | , - |
| Maximum Efficiency | 96.5% | 96.9% |
| Euro. Efficiency | 96.1% | 96.6% |
| Consumption: Standby / Night | <12.5W / < | <0.5W |
| General Specification | | |
| Dimensions (W x H x D) in mm | 405 x 442 | |
| Weight | 25.8kg | |
| Cooling Concept | Natural Cooling | |
| Acoustic Noise Level | < 35dB | |
| Maximum Operating Temperature Range without derating | -20 °C to +55 °C | -20 °C to +50 °C |
| Ambient Temperature Range | -25 °C to + | -60 °C |
| Relative Humidity | 0 to 95%, non-c | condensing |
| Protection Degree | IP65 | |
| Topology | Transform | erless |
| Features | | |
| DC Connection | PV4,M | IC4 |
| DC Disconnect | yes | |
| AC Connection | AC conne | ectors |
| Display | Graphic LCD |) screen |
| Communication Interface | RS485 ; Ethernet (Option | |
| Safety | VDE-AR-N 4105 ; II | |
| Warranty | 1 yea | |

^{*} For VDE-AR-N4105, the inverter is rated 4,600VA

^{**} Ajustable from 0.95 over-excited to 0.95 under-excited with VDE-AR-N 4105

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SELFNERGY -L SERIES

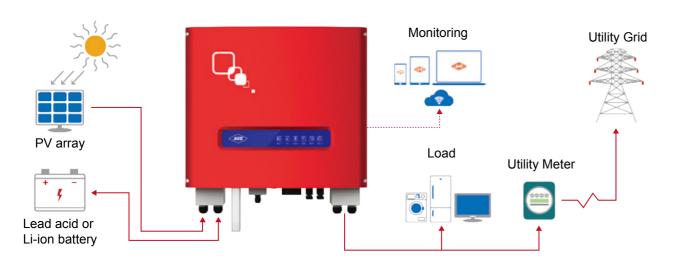
Single phase 48VDC

3.6 kW -5kW

Features:

- Off-grid Application Compatible; Uninterrupted power supply
- · Water and dust proof (IP65)
- · Full automatic control, flexible energy management
- · Maximize self-consumption to lower your bills
- Easy compatible with Lithium-ion, Pb, Pb-C, Flow Battery etc.
- Optional CT or Smart Meter increase power control precisely
- · Wall mounted or rack mounted is available





SELFNERGY - L Inverter

Specification:

| Model | Selfnergy-L 3.6K | Selfnergy- L 5K | |
|-----------------------------------|----------------------------|-------------------------------------|--|
| Output Data (AC) | | | |
| Rated Power | 3,600W | 5,000W | |
| Rated Output Current | 17 a.c.A | 22.7 a.c.A | |
| Rated Output Voltage | 220 / 230 / 240 a.c.V | | |
| Grid Voltage Range | 184~265 | ā a.c.V | |
| Grid Frequency Range | 47.5~52.5Hz or 57.5~62.5Hz | | |
| Power Factor | > 0.99 | | |
| Maximum Efficiency | 97.5% | | |
| Euro. Efficiency | 96.5% | | |
| Total Harmonic Distortion | < 2% (Full load) | | |
| nput Data (DC) | | | |
| Maximum DC Power | 4,000W | 5,500W | |
| Maximum DC Input Current | 11 d.c.A × 2 | 11 d.c.A × 2 | |
| number of MPP Trackers / Strings | 2/ 2 (can be | e parallel) | |
| Maximum DC Voltage | 550 d | .c.V | |
| MPP Tracking Voltage Range | 125 d.c.V - | 550 d.c.V | |
| Battery Inverter (Emergency Mode) | | | |
| Rated Output Voltage | 220/ 230/ 2 | 240 a.c.V | |
| Output Frequency | 50(60)±0.5 Hz | | |
| Output Power | 2500/3500 W | | |
| Fransfer Time | 0ms | | |
| /oltage Harmonic | < 2%(Ohmic load) | | |
| Charge-Discharge | | · | |
| Nominal Voltage | 48 d.c.V | | |
| Maximum Charging Power | 2,500W (Settable) | | |
| Maximum Charging Current | 52 d.c.A (Settable) | | |
| Maximum Discharging Power | 2,500W | | |
| Maximum Discharging Current | 52 d.c.A | | |
| Battery Type | Lithium / Pb-C/ Lead Acid | | |
| System | | | |
| solation Mode(solar) | Transforr | nerless | |
| solation Mode (battery) | High Frequency Transformer | | |
| Cooling Concept | Natural Cooling | | |
| Acoustic Noise Level | < 25dB | | |
| Display | LED/ APP | | |
| Ambient Temperature Range | -25 °C to +60 °C | | |
| Relative Humidity | 0 to 90%, non-condensing | | |
| Protection Degree | U to 90%, non-condensing | | |
| Operation Altitude | 0~3000m | | |
| Communication Interface | RS485 (Modbus)/ WIFI /DRM | | |
| Accessories | CT, Smart meter (Optional) | | |
| Dimensions (W x H x D) in mm | 480 x 420 x 185 | | |
| Weight | 25kg | | |
| Certifications | | | |
| On-grid standard | G83/2, G59/3, EN50438, | CEI 0-21, AS4777.2:2015 | |
| Safety | IEC62109-1, IEC62 | | |
| EMC | | | |
| Warranty | | EN61000-6-3, EN61000-6-2 3 years | |

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



CENTRAL INVERTER

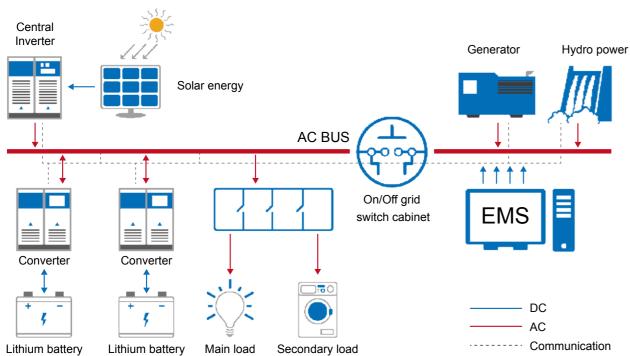
Stand Alone

500kW-630kW

Features:

- · LCD touch screen display
- · Power factor 0.9 lead ~ 0.9 lags adjustable continuously
- Intelligent Management : active and reactive power scheduling
- Compact design for easy installation, light weight, high power density in 0.6m²
- · High reliability with DSP control
- Advanced three-level topology, maximum conversion efficiency 99%





Specification:

| Specification : | AFCEOOK D | AEC630K D | | |
|------------------------------|------------------------------|--------------------------------|--|--|
| Model | AEC500K-B | AEC630K-B | | |
| Input Data (DC) | | | | |
| Maximum PV Power | 560 kW 710 kW | | | |
| Maximum PV Input Voltage | 1000 d | | | |
| Maximum DC Current | 1,200 d.c.A | 1,350 d.c.A | | |
| PV Input Strings Number | 6 | 8 | | |
| No. of MPPTs | 1 | 1 | | |
| MPP Tracking Voltage Range | 460 ~ 850d.c.V | 520 ~ 850d.c.V | | |
| Start-up voltage | 480d.c.V | 540d.c.V | | |
| MPPT Efficiency | 99.90 | 9% | | |
| Output Data (AC) | | | | |
| Rated Output Power | 500 kW | 630 kW | | |
| Max. Output Power | 550 kW | 693 kW | | |
| Rated Output Voltage | 315a.c.V | 360a.c.V | | |
| Rated AC Frequency | 50/60Hz | | | |
| Maximum Output Current | 1,008 a.c.A | 1,111 a.c.A | | |
| Total Harmonic Distortion | <3% (nominal power) | | | |
| Power Factor | > 0.99 | | | |
| PF Adjustable Range | 0.9 (leading)~0.9 (lagging) | | | |
| Efficiency | | | | |
| Maximum Efficiency | 99.0% | | | |
| Euro. Efficiency | 98.7 | 98.7% | | |
| General Specification | | | | |
| Dimensions (W x D x H) in mm | 800 × 800 × 2,000 | | | |
| Weight | 700k | 700kg | | |
| Night Consumption | < 20 | < 20 W | | |
| Cooling Concept | Intelligent Force | Intelligent Forced Air Cooling | | |
| Ambient Temperature Range | | -25 °C to +55 °C | | |
| Relative Humidity | 0 to 95%, non- | 0 to 95%, non-condensing | | |
| Altitude | 6,000m (> 3,000m derating) | | | |
| Protection Degree | | IP20 | | |
| Features | | | | |
| Display | LCI |) | | |
| Communication Interface | RS485, Etherne | | | |
| | , | - \ - F | | |

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



CONTAINER BASE

Turnkey Solution 1MW-1.26MW

Features :

- · IP 54, sustained sand, dust and water proof
- · Inverters front- easy maintenance design
- · Safety with access door and emergency exit
- · Efficiency up to 99%
- · High design flexibility and reduced DC distribution losses for large scale PV plants
- · Modular design, saving operation and maintenance cost



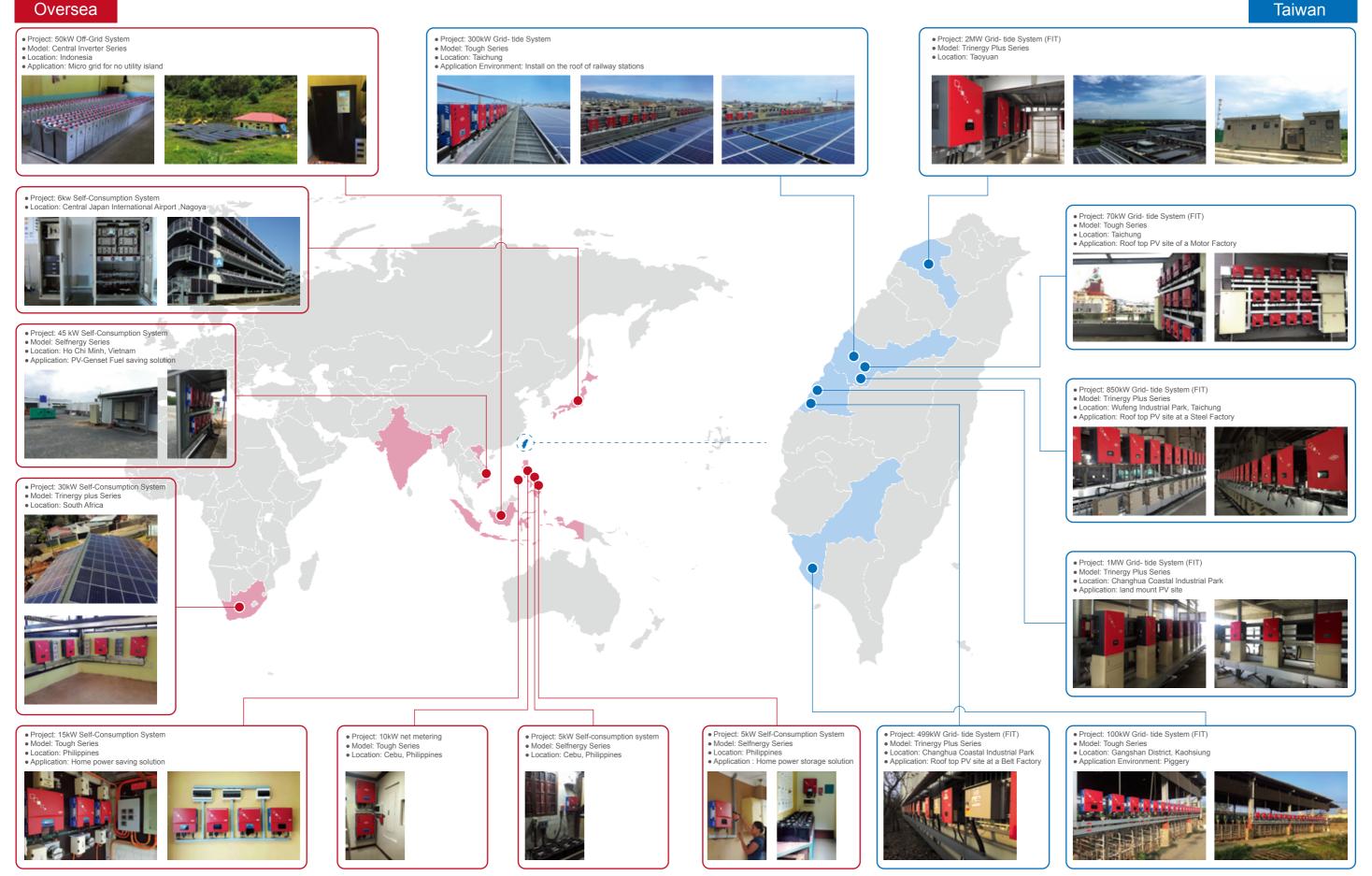
Specification:

| Model | AEC1000K-B | AEC1260K-B | |
|------------------------------|--------------------------------|----------------|--|
| Input Data (DC) | | | |
| Maximum PV Power | 2×560 kW | 2×710 kW | |
| Maximum PV Input Voltage | 1000 | d.c.V | |
| Maximum DC Current | 2×1,200 d.c.A | 2×1,350 d.c.A | |
| PV Input Strings Number | 2 × 6 | 2 × 8 | |
| No. of MPPTs | 2 | 2 | |
| MPP Tracking Voltage Range | 460 ~ 850d.c.V | 520 ~ 850d.c.V | |
| Start-up voltage | 480 d.c.V | 540 d.c.V | |
| MPPT Efficiency | 99.9% | | |
| Output Data (AC) | | | |
| Rated Output Power | 1,000 kW | 1,260 kW | |
| Max. Output Power | 1,100 kW | 1,386 kW | |
| Rated Output Voltage | 315a.c.V | 360a.c.V | |
| Rated AC Frequency | 50/60Hz | | |
| Maximum Output Current | 2,016 a.c.A | 2,222 a.c.A | |
| Total Harmonic Distortion | <3% (nominal power) | | |
| Power Factor | > 0.99 (Adjustable) | | |
| PF Adjustable Range | 0.9 (leading)~0.9 (lagging) | | |
| Efficiency | | | |
| Maximum Efficiency | 99.0% | | |
| Euro. Efficiency | 98.7% | | |
| General Specification | | | |
| Dimensions (W x D x H) in mm | 2,438 × 1,1 | 150 × 2,591 | |
| Veight | 2,800 kg | | |
| Night Consumption | < 40 W | | |
| Ambient Temperature Range | -25 °C to +55 °C | | |
| Cooling Concept | Intelligent Forced Air Cooling | | |
| Relative Humidity | 0 to 95%, non-condensing | | |
| Altitude | 6,000m(> 3,000m derating) | | |
| Protection Degree | IP54 | | |
| Features | | | |
| Display | LCD | | |
| Communication Interface | RS485 / Ethernet (Optional) | | |
| | | | |

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



Success Applications



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





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