

# Solar for everybody

Product brochure







# The power of the sun for the future of our planet

Photo by Nathan Dumlao



# Solar for everybody



Photo by Leon Biss

## The future is solar for everybody

At Solplanet, we are driven by a simple idea: solar for everybody. We strive to create the best possible experience for distributors, installers and end users. That's why our products are easy-to-install, reliable and user-friendly.

Solplanet photovoltaic inverters are manufactured in compliance with international high-quality standards. Our annual production capacity exceeds 6 GW. So, chances are we can meet your demand.

## You can depend on Solplanet

Solplanet is a brand of AISWEI, who has been manufacturing inverters since 2007. AISWEI, also formerly known as SMA's Chinese subsidiary, has successfully been manufacturing high-quality and reliable products for renowned brands like SMA since 2017 and Zeyversolar since 2013. Today, AISWEI is an independent research, development and manufacturing company. A recent equity restructuring puts AISWEI on particularly strong financial footing within the industry.

## Solplanet makes things easy

Solplanet products are easy-to-install, reliable and user-friendly. We offer a variety of quality products with long lasting warranty that you can depend on: single phase inverters, three phase inverters, hybrid single phase inverters and connect & monitoring products.

# Easy-to-install Reliable User-friendly

We strive to create the best possible experience for distributors, installers and end users. That's why our products are easy-to-install, reliable and user-friendly.



## Easy-to-install

- Quick & easy-to-install with basic standard tools.
- Quick Wi-Fi set up with app
- Compact designs with wall mount fixture



## Reliable

- International quality standards
- Integrated large range DC/AC switch
- IP65 waterproof for outdoor use



## User-friendly

- Smart monitoring with user-friendly app
- Discrete design that fits anywhere
- Quiet performance with low dB levels



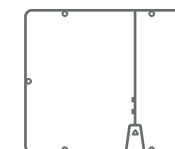
## Our product range:

We offer a variety of products in a range of four series:

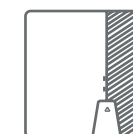
Single phase  
inverters  
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Three phase  
inverters  
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Single phase  
hybrid inverters  
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Connect & monitor  
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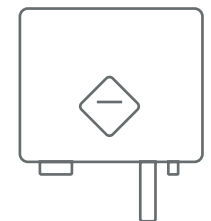
# Single phase inverters



Perfect for home  
& small business  
systems

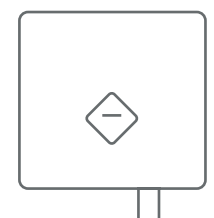
## ASW S-S SERIES

ASW1000S-S  
ASW1500S-S  
ASW2000S-S  
ASW3000S-S



## ASW S SERIES

ASW3000-S  
ASW3680-S  
ASW4000-S  
ASW5000-S





# ASW S-S Series



Models:  
ASW1000S-S  
ASW1500S-S  
ASW2000S-S  
ASW3000S-S



Easy-to-install

- Quick & easy-to-install with basic tools
- Compact, wall mount and SUNCLIX connection
- Quick Wi-Fi set up with app



Reliable

- International quality standards
- Integrated 150% range DC/AC switch
- IP65 waterproof for outdoor use



User-friendly

- Smart monitoring with user-friendly app
- Discrete design that fits anywhere
- Quiet performance with low 15dB levels

Technical Data Sheet

ASW1000S-S    ASW1500S-S    ASW2000S-S    ASW3000S-S

Input (DC)	Max PV array power	1500 Wp STC	2250 Wp STC	3000 Wp STC	4500 Wp STC
	Max input voltage	580 V			
	MPP voltage range / rated input voltage	80 Vto 550 V / 360 V			
	Min input voltage	80 V			
	Initial feed-in voltage	100 V			
	Max operating input current	12 A			
	Max short circuit current	18 A			
	Number of independent MPP inputs / strings per MPP input	1/1			
Output (AC)	Rated power	1000 W	1500 W	2000 W	3000 W
	Max apparent AC power	1000 VA	1500 VA	2000 VA	3000 VA
	AC nominal voltage	220 V / 230 V / 240 V			
	AC voltage range	180 Vto 290 V			
	AC grid frequency / range	50 Hz/ 45 Hz to 55 Hz – 60 Hz/55 Hz to 65 Hz			
	Rated grid frequency / rated grid voltage	50 Hz/230 V			
	Max output current	5 A	7.5 A	10 A	13.6 A
	Power factor at rated power	1			
	Adjustable displacement power factor	0.8 overexcited to 0.8 underexcited			
	Feed-in phases	1			
Efficiency & Protection	Harmonic distortion (THD) at rated output	<3%			
	Max efficiency / European efficiency	97.4%/95.4%	97.6%/96.3%	97.6%/96.8%	97.6%/97.1%
	Input-side disconnection device	●			
	Ground fault monitoring / grid monitoring	● / ●			
	DC reverse polarity protection / AC short circuit current capability	● / ●			
	All-pole-sensitive residual-current monitoring unit	●			
	Protection class(according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)	1/AC: III; DC :II			
General data	Dimensions (W / H / D)	320/264/94 mm			
	Weight	6.5 kg			
	Operating temperature range	-25°C – +60°C			
	Noise emission (typical)	< 15 dB(A)			
	Self-consumption (at night)	<1W			
	Topology	Transformerless			
	Cooling concept	Convection			
	Degree of protection (according to IEC 60529)	IP65			
	Climatic category (according to IEC 60721-3-4)	4K4H			
	Max permissible value for relative humidity (non-condensing)	100 %			
Features	Max operating altitude	3000 m			
	DC connection	SUNCLIX (Phoenix Contact)			
	AC connection	Plug-in Connector			
	Mounting type	Wall-mounting bracket			
	LED Indicators (Status / Fault/ Communication)	●			
	Communication interface <sup>1&amp;2</sup>	Wi-Fi / RS485			
	Certificates and approvals (more available on request)	CE, IEC62109, IEC61000, EN50549, AS/NZS4777, C10/C11, IEC61727, IEC62116, IEC61683			

● Standard features / ○ optional features / – not available  
1- Zero export installations supported with 2-pin RS485 for connection to approved smart meters  
2- DRED supported with RS485 communication for Australia & New Zealand



# ASW S Series



Models:  
ASW3000-S  
ASW3680-S  
ASW4000-S  
ASW5000-S



### Easy-to-install

- Quick & easy-to-install with basic tools
- Compact, wall mount and SUNCLIX connection
- Quick Wi-Fi set up with app



### Reliable

- International quality standards
- Integrated 150% range DC/AC switch
- IP65 waterproof for outdoor use



### User-friendly

- Smart monitoring with user-friendly app
- Discrete design that fits anywhere
- Quiet performance with low 25dB levels

### Technical Data Sheet

		ASW3000-S	ASW3680-S	ASW4000-S	ASW5000-S
Input (DC)	Max PV array power	4500 Wp STC	5520 Wp STC	6000 Wp STC	7500 Wp STC
	Max input voltage	580 V			
	MPP voltage range / rated input voltage	80 Vto 550 V / 360 V			
	Min input voltage	80 V			
	Initial feed-in voltage	100 V			
	Max operating input current	12 A / 12 A			
	Max short circuit current	18 A / 18 A			
	Number of independent MPP inputs / strings per MPP input	2/1			
Output (AC)	Rated power	3000 W	3680 W	4000 W	5000 W
	Max apparent AC power	3000 VA	3680 VA	4000 VA	5000 VA
	AC nominal voltage	220 V / 230 V / 240 V			
	AC voltage range	180 Vto 290 V			
	AC grid frequency / range	50 Hz/ 45 Hz to 55 Hz – 60 Hz/55 Hz to 65 Hz			
	Rated grid frequency / rated grid voltage	50 Hz/230 V			
	Max output current	15 A	16 A	20 A	22.7 A*
	Power factor at rated power	1			
	Adjustable displacement power factor	0.8 overexcited to 0.8 underexcited			
	Feed-in phases	1			
Efficiency & Protection	Harmonic distortion (THD) at rated output	<3%			
	Max efficiency / European efficiency	97.85%/97.3%	97.85%/97.5%	97.85%/97.5%	97.85%/97.6%
	Input-side disconnection device	●			
	Ground fault monitoring / grid monitoring	● / ●			
	DC reverse polarity protection / AC short circuit current capability	● / ●			
	All-pole-sensitive residual-current monitoring unit	●			
	Protection class(according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)	1/AC: III; DC :II			
General data	Dimensions (W / H / D)	376/355/145 mm			
	Weight	12 kg			
	Operating temperature range	-25°C – +60°C			
	Noise emission (typical)	< 25 dB(A))			
	Self-consumption (at night)	<1W			
	Topology	Transformerless			
	Cooling concept	Convection			
	Degree of protection (according to IEC 60529)	IP65			
	Climatic category (according to IEC 60721-3-4)	4K4H			
	Max permissible value for relative humidity (non-condensing)	100 %			
Features	Max operating altitude	3000 m			
	DC connection	SUNCLIX (Phoenix Contact)			
	AC connection	Plug-in Connector			
	Mounting type	Wall-mounting bracket			
	LED Indicators (Status / Fault/ Communication)	●			
	Communication interface <sup>1&amp;2</sup>	Wi-Fi / RS485			
	Certificates and approvals (more available on request)	CE, IEC62109, IEC61000, AS/NZS 4777, EN50549, VFR 2014 & UTE C15-712-1, CEI 0-21, C10/C11, NBR16149, IEC61727, IEC62116, IEC61683			

● Standard features / ○ optional features / – not available

\* For AS/NZS 4777.2:2015 Maximum output current is 21.7A

1- Zero export installations supported with 2-pin RS485 for connection to approved smart meters

2- DRED supported with RS485 communication for Australia & New Zealand





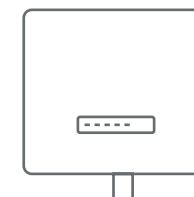
# Three phase inverters

High yield, reliable  
industrial solutions



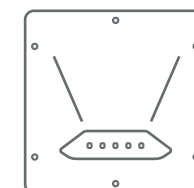
## ASW T SERIES

ASW3000-T  
ASW4000-T  
ASW5000-T  
ASW6000-T  
ASW8000-T  
ASW10000-T



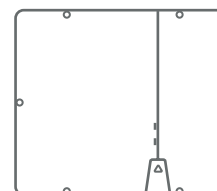
## ASW LT SERIES

ASW15K-LT  
ASW20K-LT



## ASW LT-G2 SERIES

ASW30K-LT-G2  
ASW33K-LT-G2  
ASW36K-LT-G2  
ASW40K-LT-G2  
ASW45K-LT-G2  
ASW50K-LT-G2





Three phase inverters 3 to 10 kW

# ASW T Series



Models:  
ASW3000-T  
ASW4000-T  
ASW5000-T  
ASW6000-T  
ASW8000-T  
ASW10000-T



### Easy-to-install

- Quick & easy-to-install with basic tools
- Compact, wall mount and SUNCLIX connection
- Quick Wi-Fi set up with app



### Reliable

- International quality standards
- Integrated 150% range DC/AC switch
- IP65 waterproof for outdoor use



### User-friendly

- Smart monitoring with user-friendly app
- Discrete design that fits anywhere
- Dual MPPT for flexible installation

### Technical Data Sheet

		ASW 3000-T	ASW 4000-T	ASW 5000-T	ASW 6000-T	ASW 8000-T	ASW 10000-T
Input (DC)	Max PV array power	4500 Wp STC	6000 Wp STC	7500 Wp STC	9000 Wp STC	12000 Wp STC	15000 Wp STC
	Max input voltage	1000 V					
	MPP voltage range / rated input voltage	125 V to 950 V / 630 V					
	Min input voltage	130 V					
	Initial feed-in voltage	150 V					
	Max operating input current	12 A / 12 A					
	Max short circuit current	18 A / 18 A					
	Number of independent MPP inputs/strings per MPPT input	2 / A :1 ; B : 1					
Output (AC)	Rated power	3000 W	4000 W	5000 W	6000 W	8000 W	10000 W
	Max apparent AC power	3000 VA	4000 VA	5000 VA	6000 VA	8000 VA	10000 VA
	AC nominal voltage	220 V / 380 V - 230 V / 400 V - 240 V / 415 V					
	AC voltage range	180 V to 295 V					
	AC grid frequency / range	50 Hz/ 45 Hz to 55 Hz – 60 Hz/55 Hz to 65 Hz					
	Rated grid frequency / rated grid voltage	50 Hz / 230 V					
	Max output current	5 A	6.7 A	8.4 A	9.1 A	13.3 A	15.2 A
	Power factor at rated power	1					
	Adjustable displacement power factor	0.8 overexcited to 0.8 underexcited					
	Feed-in phases	3 / 3-N-PE					
Efficiency & Protection	Harmonic distortion (THD) at rated output	<3%					
	Max efficiency / European efficiency	98.2%/ 96.6%	98.2%/ 97.2%	98.2%/ 97.5%	98.2%/ 97.6%	98.3%/ 98.0%	98.3%/ 98.0%
	Input-side disconnection device	●					
	Ground fault monitoring / grid monitoring	● / ●					
	DC reverse polarity protection / AC short circuit current capability	● / ●					
	All-pole-sensitive residual-current monitoring unit	●					
General data	Protection class(according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)	1/AC: III; DC :II					
	Dimensions (W / H / D)	424/375/172 mm					
	Weight	13.5 kg	13.5 kg	13.5 kg	13.5 kg	15 kg	15 kg
	Operating temperature range	-25°C – +60°C					
	Noise emission (typical)	< 35 dB(A)	< 35 dB(A)	< 35 dB(A)	< 35 dB(A)	< 45 dB(A)	< 45 dB(A)
	Self-consumption (at night)	<1W					
	Topology	Transformerless					
	Cooling concept	Convection	Convection	Convection	Convection	Active cooling	Active cooling
	Degree of protection (according to IEC 60529)	IP65					
	Climatic category (according to IEC 60721-3-4)	4K4H					
	Max permissible value for relative humidity (non-condensing)	100 %					
	Max operating altitude	3000 m					
Features	DC connection	SUNCLIX (Phoenix Contact)					
	AC connection	Plug-in Connector					
	Mounting type	Wall-mounting bracket					
	LED Indicators (Status / Fault/ Communication)	●					
	Communication interface <sup>1&amp;2</sup>	Wi-Fi / RS485					
	Certificates and approvals (more available on request)	CE, EN50549, G98/99, VDE-AR-N4105, AS/NZS 4777, C10/C11, VFR 2014 & UTE C15, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, NB/T 32004					

● Standard features / ○ optional features / – not available  
1- Zero export installations supported with 2-pin RS485 for connection to approved smart meters  
2- DRED supported with RS485 communication for Australia & New Zealand

# ASW LT Series



Models:  
ASW15K-LT  
ASW20K-LT



### Easy-to-install

- Quick & easy-to-install with basic tools
- Compact, wall mount and SUNCLIX connection
- Quick Wi-Fi set up with app



### Reliable

- International quality standards
- Integrated large range DC/AC switch
- IP65 waterproof for outdoor use



### User-friendly

- Smart monitoring with user-friendly app
- Discrete design that fits anywhere
- Dual MPPT for flexible installation

### Technical Data Sheet

ASW15K-LT

ASW20K-LT

Input (DC)	Max PV array power	19500 Wp STC	26000 Wp STC
	Max input voltage	1000 V	
	MPP voltage range / rated input voltage	150 V to 1000 V / 630 V	
	Min input voltage	150 V	
	Initial feed-in voltage	188 V	
	Max operating input current	24 A / 12 A	24 A / 24 A
	Max short circuit current	36 A / 18A	36 A / 36A
	Number of independent MPP inputs / strings per MPP input	2 / A: 2; B: 1	2 / A: 2; B: 2
Output (AC)	Rated power	15000 W	20000 W
	Max apparent AC power	15000 VA	20000 VA
	AC nominal voltage	220 V / 380 V - 230 V / 400 V - 240 V / 415 V	
	AC voltage range	180 V to 295 V	
	AC grid frequency / range	50 Hz/ 45 Hz to 55 Hz – 60 Hz/55 Hz to 65 Hz	
	Rated grid frequency / rated grid voltage	50 Hz / 230 V	
	Max output current	3 × 25 A	3 × 32 A
	Power factor at rated power	1	
	Adjustable displacement power factor	0.8 overexcited to 0.8 underexcited	
	Feed-in phases	3 / 3-N-PE	
Efficiency & Protection	Harmonic distortion (THD) at rated output	<3%	
	Max efficiency / European efficiency	98.5%	98.2%
	Input-side disconnection device	●	
	Ground fault monitoring / grid monitoring	● / ●	
	DC reverse polarity protection / AC short circuit current capability	● / ●	
	All-pole-sensitive residual-current monitoring unit	●	
General data	Protection class(according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)	1/AC: III; DC :II	
	Dimensions (W / H / D)	490/497/212.5 mm	
	Weight	26 kg	
	Operating temperature range	-25°C – +60°C	
	Noise emission (typical)	< 45 dB(A)	
	Self-consumption (at night)	<1W	
	Topology	Transformerless	
	Cooling concept	Active cooling	
	Degree of protection (according to IEC 60529)	IP65	
	Climatic category (according to IEC 60721-3-4)	4K4H	
	Max permissible value for relative humidity (non-condensing)	100 %	
Features	Max operating altitude	3000 m	
	DC connection	SUNCLIX (Phoenix Contact)	
	AC connection	Plug-in Connector	
	Mounting type	Wall-mounting bracket	
	LED Indicators (Status / Fault/ Communication)	●	
	Communication interface <sup>1&amp;2</sup>	Wi-Fi / RS485	
	Certificates and approvals (more available on request)	CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, NB/T 32004	

● Standard features / ○ optional features / – not available  
1- Zero export installations supported with 2-pin RS485 for connection to approved smart meters  
2- DRED supported with RS485 communication for Australia & New Zealand



# ASW LT-G2 Series



Models:  
ASW30K-LT-G2  
ASW33K-LT-G2  
ASW36K-LT-G2  
ASW40K-LT-G2  
ASW45K-LT-G2  
ASW50K-LT-G2



### Easy-to-install

- Quick & easy-to-install with basic tools
- Compact, wall mount and PV Plug-in Connector
- Quick Wi-Fi set up with app



### Reliable

- International quality standards
- Integrated 150% range DC/AC switch
- IP65 waterproof for outdoor use



### User-friendly

- Smart monitoring with user-friendly app
- Practical design that fits anywhere
- Multiple MPPT for flexible installation

### Technical Data Sheet

Technical Data Sheet		ASW30K- LT-G2	ASW33K- LT-G2	ASW36K- LT-G2	ASW40K- LT-G2	ASW45K- LT-G2	ASW50K- LT-G2
Input (DC)	Max PV array power	45000 Wp STC	49500 Wp STC	54000 Wp STC	60000 Wp STC	67500 Wp STC	75000 Wp STC
	Max input voltage	1100 V					
	MPP voltage range / rated input voltage	200 V to 1000 V / 630 V					
	Min input voltage	200 V					
	Initial feed-in voltage	250 V					
	Max operating input current	26 A					
	Max short circuit current	40 A					
	Number of independent MPP inputs / strings per MPP input	3 / 2	3 / 2	3 / 2	4 / 2	4 / 2	5 / 2
	Rated power	30000 W	33000 W	36000 W	40000 W	45000 W	50000 W
	Max apparent AC power	30000 VA	33000 VA	36000 VA	40000 VA	45000 VA	50000 VA
Output (AC)	AC nominal voltage	220 V / 380 V 230 V / 400 V					
	AC voltage range	180 to 305 V / 312 to 528 V					
	AC grid frequency / range	50 Hz/ 45 Hz to 55 Hz 60 Hz/55 Hz to 65 Hz					
	Rated grid frequency / rated grid voltage	50 Hz / 230 V					
	Max output current	50.0A	55.0A	60.0A	66.7A	75.0A	80.0 A
	Power factor at rated power	1					
	Adjustable displacement power factor	0.8 overexcited to 0.8 underexcited					
	Feed-in phases	3 / 3-N-PE					
	Harmonic distortion (THD) at rated output	<= 3%					
	Efficiency & Protection	Max efficiency / European efficiency	98.6% / 98.3%				
Input-side disconnection device		●					
Ground fault monitoring / grid monitoring		● / ●					
DC reverse polarity protection / AC short circuit current capability		● / ●					
All-pole-sensitive residual-current monitoring unit		●					
DC Surge arrester		●					
AC Surge protection		●					
Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)		I / AC : III ; DC : II					
General data	Dimensions (W / H / D)	670 / 580 / 270 mm					
	Weight	42 kg	42kg	42 kg	42.5 kg	42.5 kg	43 kg
	Operating temperature range	-25°C – +60°C					
	Self-consumption (at night)	<1W					
	Topology	Transformerless					
	Cooling concept	Active cooling					
	Degree of protection (according to IEC 60529)	IP65					
	Climatic category (according to IEC 60721-3-4)	4K4H					
	Max permissible value for relative humidity (non-condensing)	100 %					
	Max operating altitude	3000 m					
Features	DC connection	Phoenix Contact					
	AC connection	OT Connector					
	Mounting type	Wall-mounting bracket					
	LED Indicators (Status / Fault / Communication)	●					
	Communication interface <sup>1&amp;2</sup>	Wi-Fi / RS485					
	Certificates and approvals (more available on request)	CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, IEC61000, AS/NZS4777, C10/C11					

● Standard features / ○ optional features / – not available  
1- Zero export installations supported with 2-pin RS485 for connection to approved smart meters  
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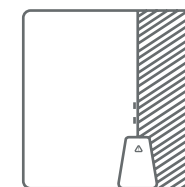


# Single phase hybrid inverters

Perfect for home  
& small business  
systems

## ASW H-S SERIES

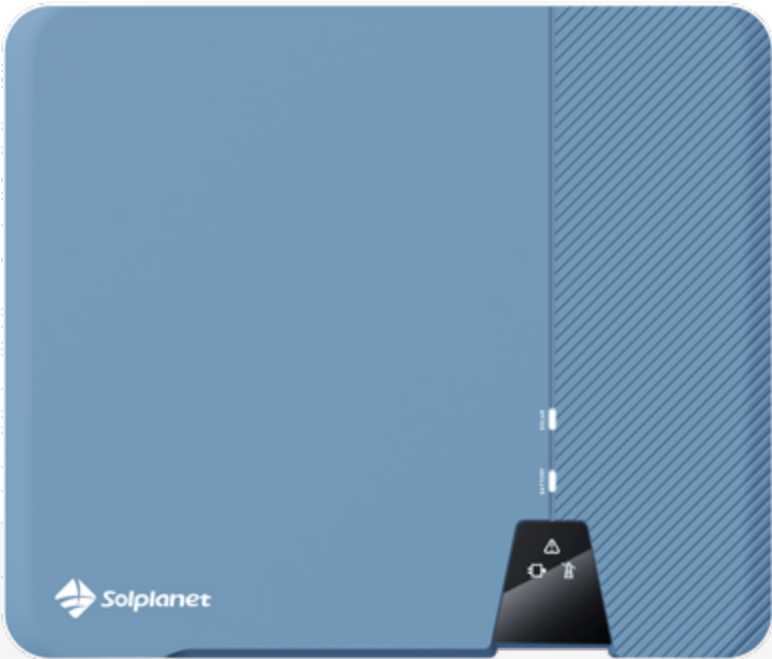
ASW3000H-S  
ASW3680H-S  
ASW4000H-S  
ASW5000H-S





Single phase hybrid inverters 3 to 5 kW

# Hybrid single phase inverters



Models:  
ASW3000H-S  
ASW3680H-S  
ASW4000H-S  
ASW5000H-S



reddot winner 2021



### Easy-to-install

- Quick installation with standard tools
- Easy connection and monitoring with Solplanet App



### Reliable

- Galvanically isolated
- Low voltage battery
- Safe and reliable
- Smart energy management and emergency power supply



### User-friendly

- Discrete design for both indoor or outdoor use (IP65)
- Quick Wi-Fi connection & user-friendly app

Technical Data Sheet		ASW3000H-S	ASW3680H-S	ASW4000H-S	ASW5000H-S
Input (DC)	Max PV array power	5500 Wp STC	6180 Wp STC	6500 Wp STC	7500 Wp STC
	Max input voltage	550 V			
	MPP voltage range / rated input voltage	100 V to 530 V / 380 V			
	Min input voltage / start voltage	100 V/ 125 V			
	Number of independent MPP trackers / strings per MPP input	2 / (1/1)			
	Max input current / per MPP tracker	12 A			
Battery input (DC)	Nominal battery voltage	48 V			
	Battery voltage range	40 V to 60 V			
	Max charging power	2500 W			
	Max discharging power	2500 W			
	Max charging current / Max discharging current	50 A			
AC output (on-grid)	AC nominal power	3000 W	3680 W	4000 W	5000 W
	Max AC apparent power to Utility Grid	3000 VA	3680 VA	4000 VA	5000 VA*1
	AC voltage range / Nominal AC voltage	180 V to 280 V / 230 V			
	Rated AC grid frequency	50 Hz / 60 Hz			
	AC grid frequency / range	±5Hz			
	Max AC current	13.6 A	16 A	18.2 A	22.7 A*2
	Power factor at rated power / adjustable displacement	> 0.99 / 0.8 leading ... 0.8 lagging			
	Harmonics THDi (@ Nominal power)	< 3%			
EPS output	Max output apparent power	2500 VA			
	Peak output apparent power	3500 VA, 10s			
	Nominal output voltage	230 V			
	Nominal output frequency	50 Hz / 60 Hz			
	Max output current	12 A			
	Max switch time	100 ms			
	Output THDv (@ Linear load)	<3%			
Efficiency	MPPT efficiency	99.90%			
	Euro efficiency / Max efficiency	97% / 97.6%			
	Max battery to load efficiency	94.70%			
Safety protection	DC-side disconnection device	●			
	PV string- / Battery input reverse polarity protection	● / ●			
	All-pole sensitive residual current monitoring unit	●			
	Anti-islanding protection	●			
	Ground fault protection	●			
	AC output over current / short circuit current protection	● / ●			
	AC over voltage protection	●			
	Protection class (as per IEC 62109-1) / overvoltage category (as per IEC 62109-1)	I / AC: III; DC: II			
General data	Dimensions (W / H / D)	494 / 420 / 195 mm			
	Device weight	21.5 kg			
	Operating temperature range	-25 °C ... +60 °C			
	Noise emissions (typical)	21 dB(A)			
	Standby consumption	< 10 W			
	Topology	Isolated			
	Cooling concept	Natural convection			
	Degree of protection (as per IEC 60529)	IP65			
	Climatic category (according to IEC 60721-3-4)	4K4H			
	Max permissible value for relative humidity (non-condensing)	100.00%			
Features	Max operating altitude	4000m (>3000m power derating)			
	User interface	LED & App			
	Communication with BMS	RS485 / CAN			
	Communication with meter	RS485			
	Communication with portal	WIFI			
	Other communication	DRM			
	Integrated power control / Zero export control	● / ●			

● Standard features / ○ optional features / – not available \*1 For VDE-AR-N4105,Smax=4600VA \*2 For AS/NZS4777.2:2015,Iac max=21.7A



# Connect & monitor



Smart cloud-based  
monitoring  
& communication  
systems

CLOUD & APP

AISWEI Cloud and App



COM STICK SERIES

Wi-Fi Stick  
4G Stick



AICOM SERIES

AiCom  
AiCom Wi-Fi





# Cloud & App



PV Plant monitoring plays an important role in our approach to revolutionize access to solar energy. It saves you time and money by reducing PV plant downtime. Your energy generation and consumption are presented in simple and easy to read graphs for complete plant management.

Real time and historical data are readily available via our cloud-based monitoring portal, allowing you to compare your current performance to past results and projected goals. AISWEI Cloud, our new online monitoring portal, is perfect for home owners, business owners and PV developers who want to monitor their PV Plants from anywhere in the world.

### Easy-to-install

- Easy to create PV plant by scanning QR code (app)
- Locate your PV plant on the map (app)
- Available as Android and iOS apps + web browser

### Reliable

- Cloud-based monitoring system
- Centralized management of all plant data

### User-friendly

- Key system data on one page for easy viewing
- Easy and convenient performance reporting
- Rapid event and yield report by email

To download the app search for “AISWEI” or simply scan the QR codes:



# Wi-Fi / 4G Stick



The Wi-Fi stick enables you to connect and monitor the selected inverters via the AISWEI cloud and App. Simply connect the Wi-Fi stick to the inverter, open up the AISWEI app and connect to internet.

### Easy-to-install

- Plug and play design, easy-to-install
- Supports monitoring for up to 5 devices per stick

### Reliable

- IP65 protection class
- High operating temperature range
- Automatic data upload once communication reestablished

### User-friendly

- Automatic time synchronisation
- Minimum 7 days of secure data storage function
- Supports all mainstream WLAN & broadband cellular network protocols

### Technical Data Sheet

		Wi-Fi Stick	4G Stick
Technical Data	Supported device	Solplanet inverters	
	Number of devices supported	5 units	20 unit
	Indicators	LED x 2 (Network / Inv.-Comm)	
	Configuration method	App	N/A
	Input voltage	7 ... 9 Vdc	
Com. interface	RS485	1 input	
	WLAN	2.4GHz 802.11 b/g/n	FDD-LTE: B1,B3, B5, B7,B8,B20 TDD-LTE: B40 UMTS: B1, B8 GSM/GPRS/EDGE: 900/1800MHz
Power Supply	Input voltage	7 ... 9 Vdc	
	Average power consumption	2 W	5 W
Operation environment	Operation temperature range	-30°C ... +70°C	
	Max permissible relative humidity (non-condensing)	100%	
	Max operation altitude	3000 m	
	Protection class	IP 65	
Basic data	Dimension (W/H/D)	51 / 112 / 27 mm	
	Mounting method	Plug and play	
	Certificate	CE	

# AiCom & AiCom Wi-Fi



### Easy-to-install

- Standard connections and basic tools
- Monitoring for up to 5 inverters



### Reliable

- Zero-export control and power limit setting
- 5 days of data storage for monitoring backup



### User-friendly

- LCD screen for local monitoring
- Wi-Fi connection for remote monitoring

### Technical Data Sheet

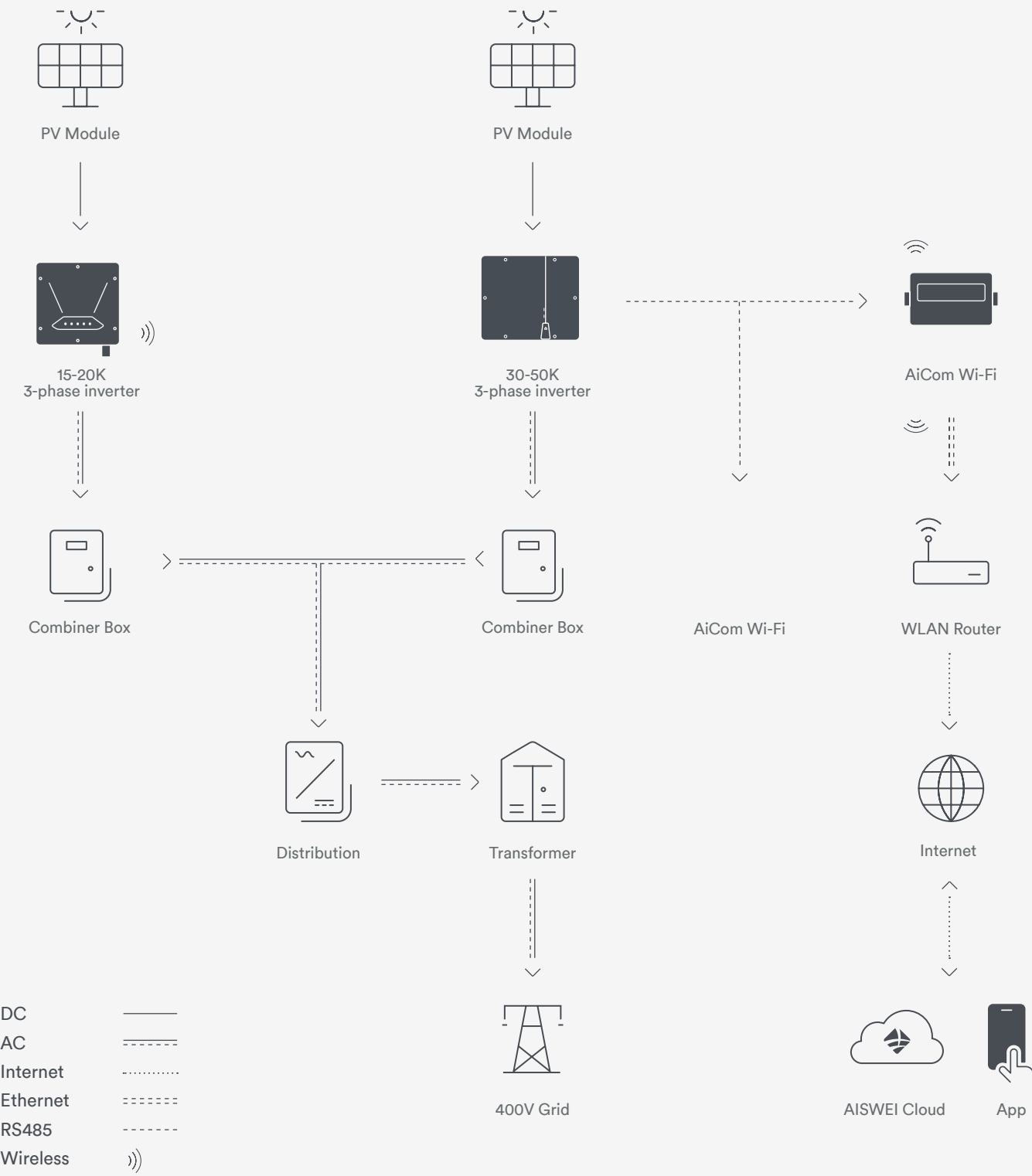
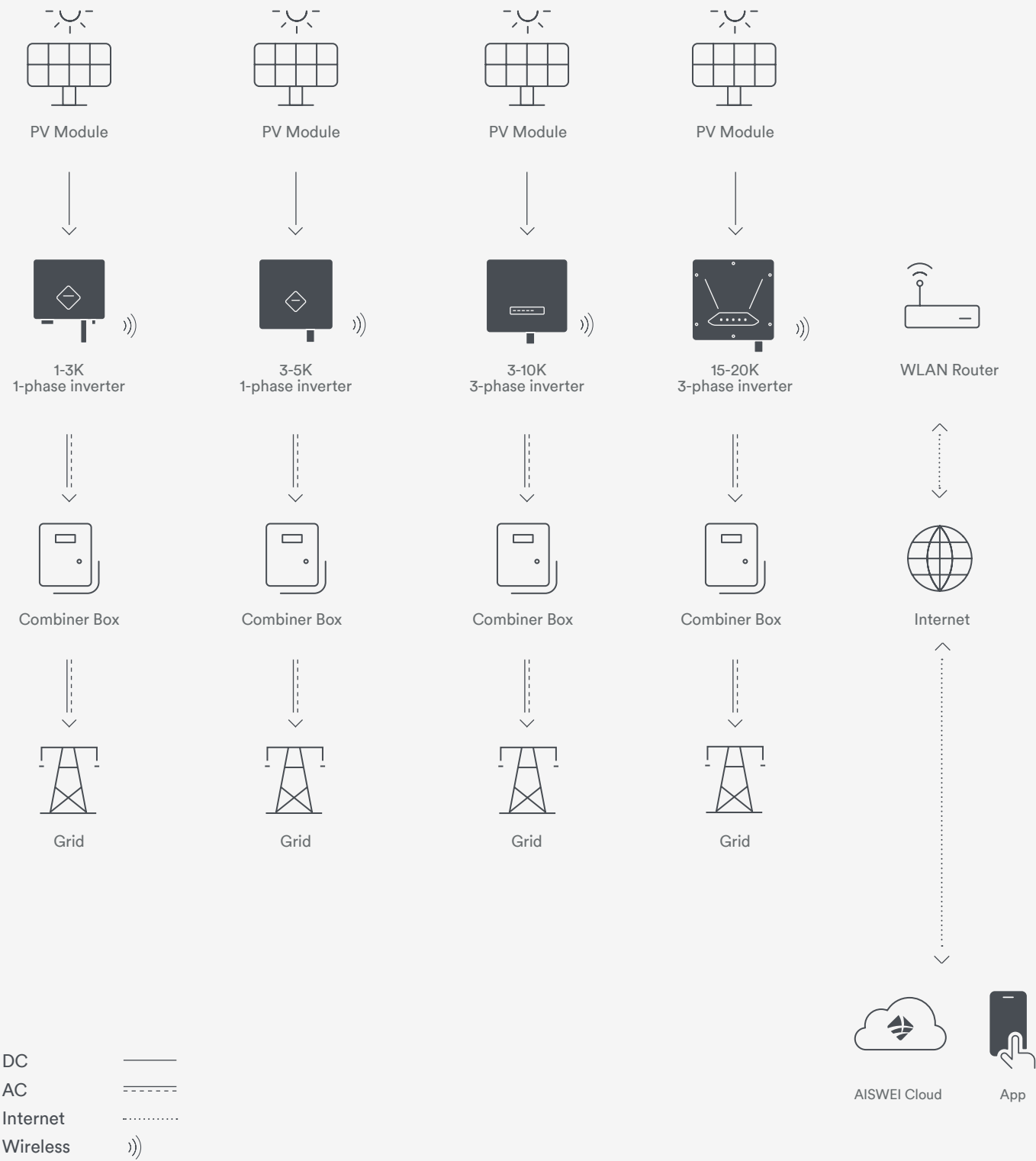
		AiCom	AiCom Wi-Fi
Electrical data	Power requirements	DC 7.5 V to 12 V / 300 mA	DC 7.5 V to 12 V / 300 mA
	Max power consumption	1.5 W	2.5 W
	Power supply	Power adapter	
User interface and communication range	Digital input	-	
	Ethernet 10/100 Mbit/s	●	
	Wi-Fi (2.4GHz, 802.11 b/g/n, WEP,WPA,WPA2,PSK)	-	●
	RS485	● / x2	
	Analog input on RJ45	● (Australia DRM)	
	LCD	16x2 characters	
	LED	x4	
	RS485 communication range	1000 m	
	Ethernet communication range	100 m	
Mech. data	Dimensions (W x H x D)	138 / 31 / 87.5mm	
	Weight	230g	260g
	Installation	Wall, indoor	
Environmental conditions	Operation	-10°C...+60°C / +14°F ... +140°F	
	Storage and shipment	-30°C...+80°C / -22°F ... +176°F	
	Relative humidity (non-condensing)	5% ... 95%	
	Protection class	IP20	
General data	AISWEI Cloud support	●	
	Integrated webserver	●	
	Multi-language support	EN, DE	
	Certificates and approvals	CE	
Features	Number of connected inverters	Max. 5	
	Demand Response Mode (AS4777)	●	
	Active power limit setting	●	
	Zero-export control <sup>1</sup>	●	
	Storage	5 days	
	Firmware update	Ethernet	Ethernet / Wi-Fi

● Standard features / ○ optional features / – not available  
1- With AISWEI approved smart meters



# Wi-Fi stick connection & monitor set up for single and three phase inverters

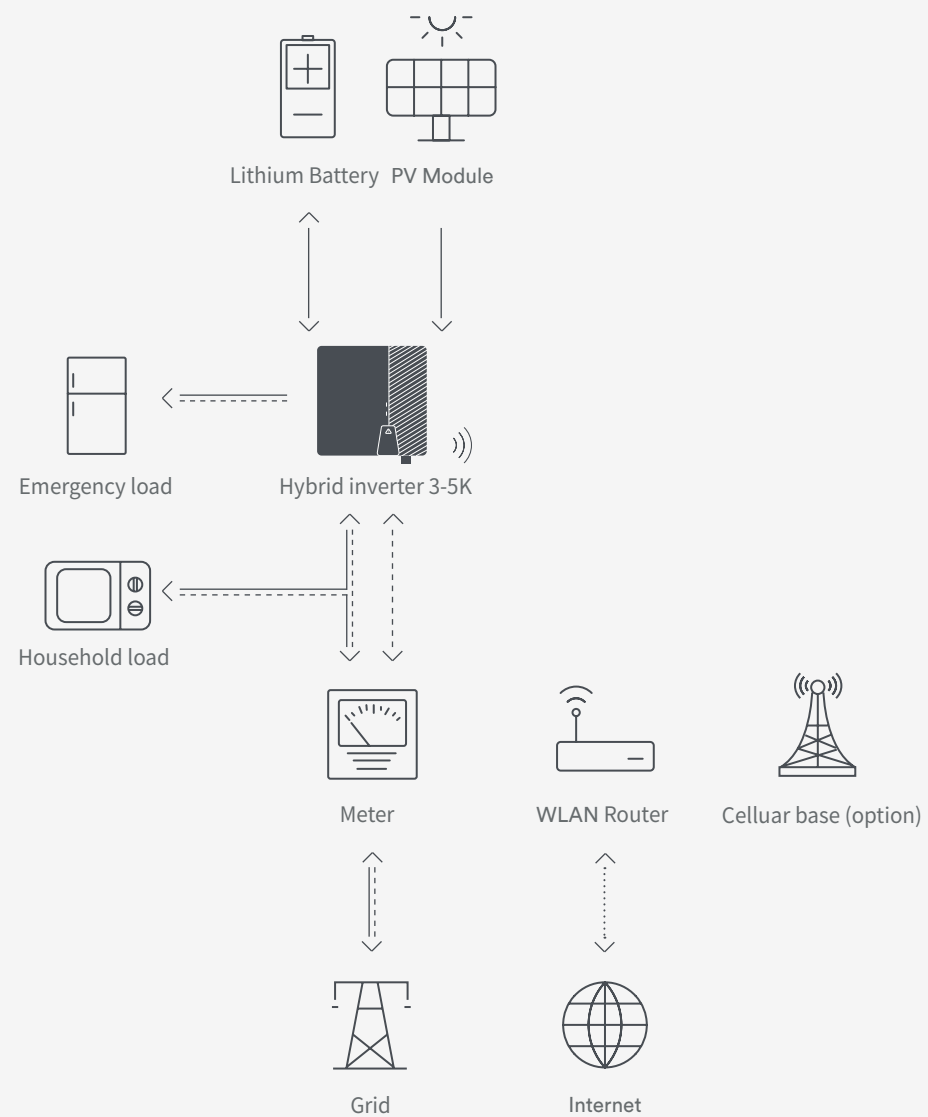
# AiCom Wi-Fi connection & monitor set up for three phase inverters



# Wi-Fi connection & monitor set up for single phase residential hybrid inverters



reddot winner 2021



- DC
- AC
- Internet
- WLAN
- RS485
- Wireless



Photo by Sarah Dornweller



# Internationally accredited laboratory

Our products are tested and certified according to leading international quality standards.

In addition to international quality test and certification of our products, our quality centre is also contributor and formulator of many international standards and the main drafting company of China Quality Certification Center “Standards for Certification of Household Roof Solar System”.





# 2021

New products coming soon

Q1

Hybrid single phase inverter  
3000 / 3680 / 4000 / 5000W

Q2

New design  
Single phase inverters  
3000 / 3680 / 4000 / 5000W

Q4

New design  
Single phase inverters  
6000 / 7000 / 8000 / 9000 / 10000W

Three phase LT-G2 inverters  
8K / 10K / 12K / 13K / 15K / 17K / 20K /  
23K / 25KW

Q3

New design  
Three phase LT-G2 inverters  
30K / 33K / 36K / 40K / 45K / 50KW



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Photo by Raja Tilikian