

Shinson[®]
Technology Beyond Limits

COMPANY CATALOG
2024



ONE-STOP SUPPLIER FOR PV PRODUCTS

www.maru-sero.com.br

INNOVATION AND COMPETITIVENESS. ALWAYS

COMMON GOAL

Shinson was founded in 2010 by a group of entrepreneurs with experience in the energy sector and a common idea: to innovate the renewable energy sector.

Arising from several spin-offs of leading companies in the industry, Shinson is at the forefront of new technology research and competitive product development.

WHAT WE DO

Shinson is a leading professional supplier in the renewable energy industry, specializing in the production and distribution of high-quality PV modules, completed PV kits, and energy storage solutions. With a commitment to sustainable energy solutions, we strive to provide innovative and reliable products to meet the growing global demand for clean and efficient power generation.





40.000MQ

Production facilities and global warehouses



10GW

Global annual capacity for modules & batteries



500+



PRICE RELIABILITY EFFECTIVENESS

MARKET STRATEGY

Shinson's market strategy is clear. The unique supply chain and constant research allow competitive prices, guarantee reliability and the highest quality as well as accurate, punctual and effective service.



COMPETITIVE PRICE



CONSTANT RESEARCH
AND INVESTMENT



CONTINUOUS ASSISTANCE



QUALITY ASSURANCE
AND CONTROL

30-YEAR WARRANTY

Quality control is rigorous at every stage of production; we use the most advanced testing methods, verifying each panel to international highest quality standards in the world. Thanks to this process, Shinson provides a long-term guarantee, with a 30-year warranty on materials and production efficiency.



ON-GOING QUALITY CONTROL

CONTINUOUS COLLABORATIONS



From incoming material tests to online production, from OBA (Open Box Audit) tests to delivery status, the ERP (Business Management) system created by Shinson combines all data in one database for complete traceability.

All information such as raw material suppliers, production personnel, quality test results and production details are available online through our ERP system. This data is stored on our server for customer access and allows us to track and take responsibility for monitoring the entire product cycle and optimising the production process.

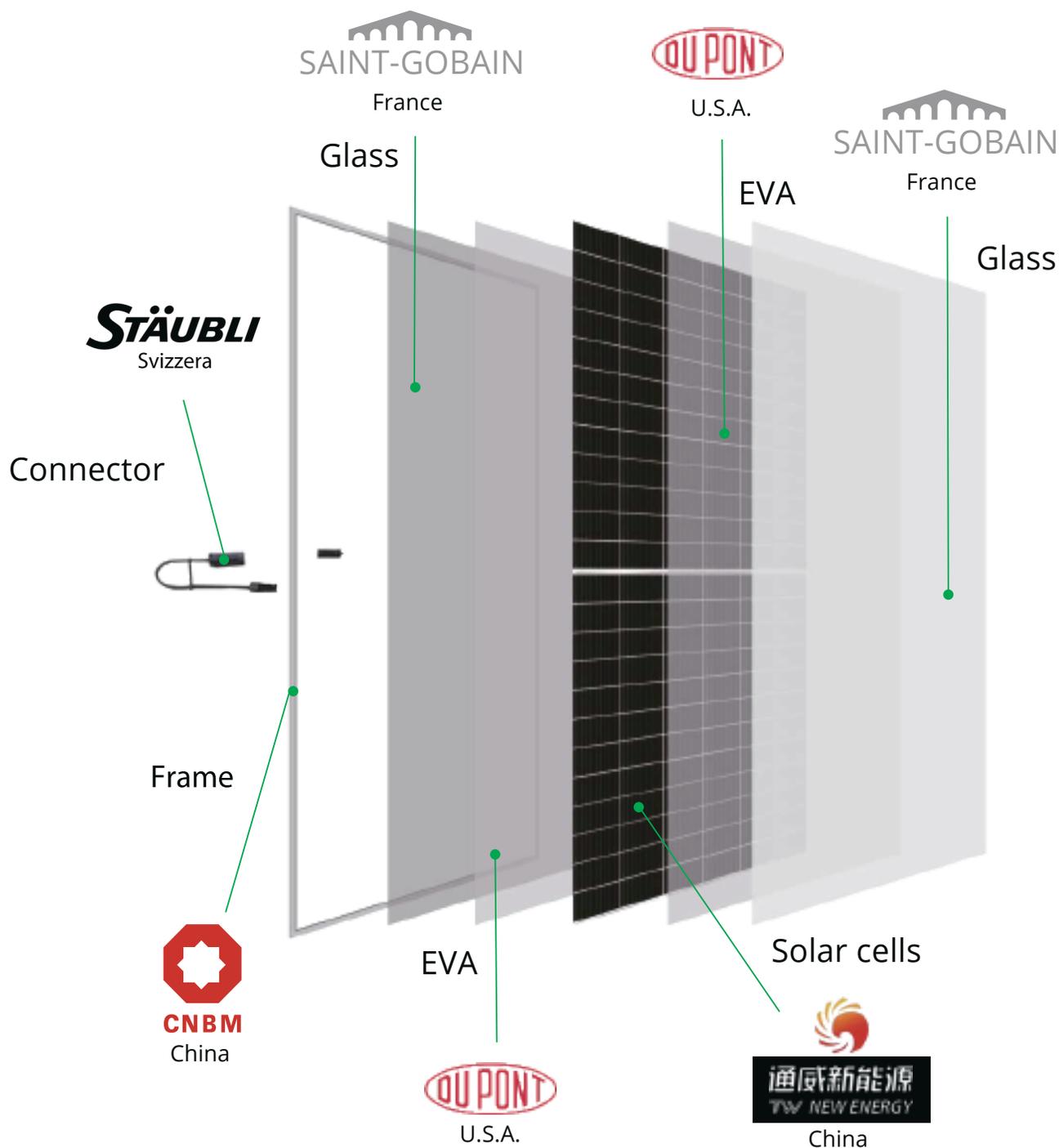


QUALITY MANAGEMENT SYSTEM

Shinson has obtained Quality Management System (ISO 9001:2015), Environmental Management System (ISO 14001:2015) and Occupational Health and Safety Management System (ISO 45001:2018) certificates from DNV and GZCC.

Shinson also meets the national criteria for performance excellence GB/TI9580-2012, which regulate not only product quality, but also production waste, environmental load and management foresight.

TECHNOLOGY PARTNERS AND SUPPLIERS

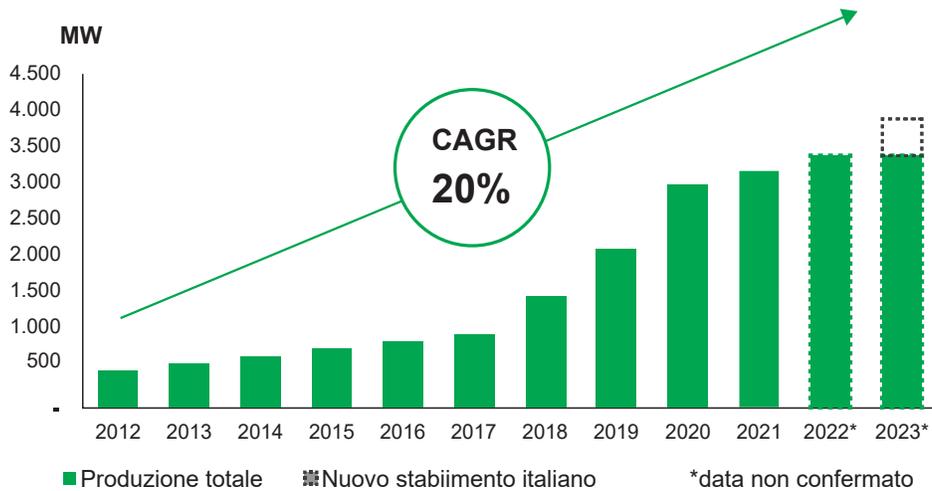


QUALITY AND EFFICIENCY

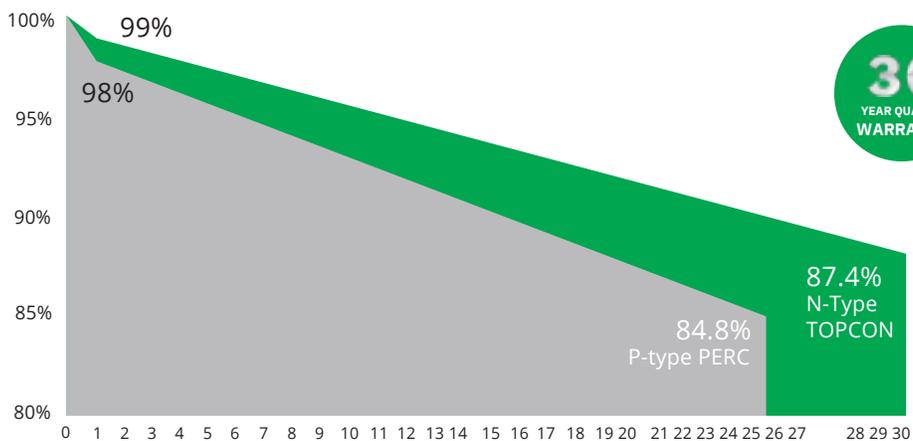
PERFORMING AND GUARANTEED

The efficiency of the photovoltaic panel is an important factor in the long-term performance of the system. More efficient photovoltaic panels are often also more reliable and durable, which translates into lower maintenance and replacement costs over the life of the system.

TOTAL PRODUCTION CAPACITY



LONG WARRANTY PERIOD - MODULE EFFICIENCY





INNOVATIVE TECHNOLOGIES

PERC

Passivated Emitter and Rear Cell

N-TYPE TOPCON

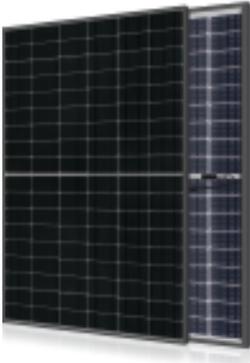
HJT

SHINGLED

Shinson constantly invests in research and development in pursuit of the best quality and highest efficiency.

- PERC technology refers to a new solar cell architecture.
- It improves absorption of the light spectrum near the rear surface of the cells.
- The main advantage is that it allows manufacturers to achieve higher efficiencies than standard solar cells.
- Topcon's N-Type technology generates a flow of free electrons that increases the efficiency of the modules.
- Better temperature coefficient (with a coefficient at $-0.30\%/^{\circ}\text{C}$, power generation performance is particularly outstanding at high temperatures. (0.75% higher than PERC).)
- Power gain with bifaciality (2% more than PERC due to the increase of the bifacial factor by 15%. The power guarantee can be up to 30 years. The degradation in the first year is less than 1%, which means that the power output at year 30 is at least 87.4% guaranteed).
- High bifacial ratio : HJT Cells has a bifacial symmetrical structure, and the bifacial ratio of the battery can be up to 90%; while PERC and TOPCon both bifacial ratio the maximum is only 75% and 85%.
- Low temperature coefficient : The temperature coefficient of HJT is $-0.24\%/^{\circ}\text{C}$, which is lower than PERC ($-0.35\%/^{\circ}\text{C}$) and (TOPCon $-0.30\%/^{\circ}\text{C}$). Therefore, HJT is suitable for use in high-temperature environments. The energy consumption loss is less and the power generation is higher.
- Low degradation rate : HJT's first degradation is 1% and linear degradation is 0.25%, which is lower than PERC and TOPCon. This is mainly due to the fact that HJT has no PID and LID effects and has a long life cycle of 30 years.
- Less energy loss due to shading.
- The configuration of the solar cells in shingles allows for group wiring and parallel configuration, which significantly reduces losses caused by shading.
- A new position of the photovoltaic cells reduces the space between them, allowing more cells to be placed on each solar panel. The innovatively designed Shingled solar module improves efficiency and safety : it reduces costs and offers a sophisticated solution that optimises aesthetics and functionality.
- A ractively designed panels for new perspectives.

RESIDENTIAL PV MODULES



S-NANO P3 SERIES - BIFACIAL ULTRA BLACK 410 W/415 W

Electrical Data (STC)		
Part Number	S410M54P3BFB	S415M54P3BFB
Panel Efficiency(%)	21.00	21.25
Mechanical Data		
Panel Dimension(H/W/0)	1722 x 1134 x 28 mm	
Weight	19.5kg	
Cell Type	108 Monocrystalline PERC	



S-NANO N-TOPcon SERIES - NF3-BIFACIAL ULTRA BLACK 440W/445W/450W

Electrical Data (STC)			
Part Number	S440M54NF3BFB	S445M54NF3BFB	S450M54NF3BFB
Panel Efficiency(%)	22.02	22.27	22.52
Mechanical Data			
Panel Dimension(H/W/0)	1762 x 1134 x 28 mm		
Weight	20.5kg		
Cell Type	108 TOPcon Mono Cells		



S-NANO N-TOPcon SERIES - N3-BIFACIAL ULTRA BLACK 435W/440W

Electrical Data (STC)		
Part Number	S435M54N3BFB	S440M54N3BFB
Panel Efficiency(%)	22.28	22.53
Mechanical Data		
Panel Dimension(H/W/0)	1722 x 1134 x 30 mm	
Weight	19.5kg	
Cell Type	108 TOPcon Mono Cells	



S-NANO SHINGLED SERIES - ULTRA BLACK 410W/415W

Electrical Data (STC)		
Part Number	S410M60SBB	S415M60SBB
Panel Efficiency(%)	20.90	21.20
Mechanical Data		
Panel Dimension(H/W/0)	1735 x 1120 x 30 mm	
Weight	21.4kg	
Cell Type	Monocrystalline silicon cell	



S-NANO P1 SERIES - MONO FACIAL ULTRA BLACK
330W/335W/340W/345W

Electrical Data (STC)				
Part Number	S330M60P1B	S335M60P1B	S340M60P1B	S345M60P1B
Panel Efficiency(%)	19.50	19.78	20.56	20.68
Mechanical Data				
Panel Dimension(H/W/0)	1686 x 998 x 28 mm			
Weight	17.8kg			
Cell Type	120 Monocrystalline PERC			



S-NANO P3 SERIES - MONO FACIAL ULTRA BLACK
410W/415W

Electrical Data (STC)		
Part Number	S410M54P3B	S415M54P3B
Panel Efficiency(%)	21.00	21.25
Mechanical Data		
Panel Dimension(H/W/0)	1722 x 1134 x 30 mm	
Weight	20.7kg	
Cell Type	108 Monocrystalline PERC	



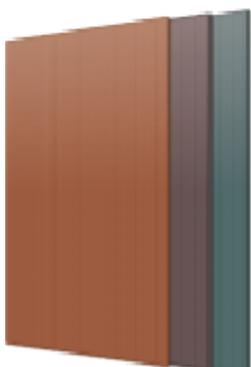
S-NANO P3 SERIES - MONO FACIAL BLACK FRAMED
415W/420W

Electrical Data (STC)		
Part Number	S415M54P3	S420M54P3
Panel Efficiency(%)	21.30	21.50
Mechanical Data		
Panel Dimension(H/W/0)	1722 x 1134 x 20 mm	
Weight	20.7kg	
Cell Type	108 Monocrystalline PERC	



S-NANO N-TOPcon SERIES - NS3-BIFACIAL ULTRA BLACK
470W/475W

Electrical Data (STC)		
Part Number	S470M54NS3BFB	S475M54NS3BFB
Panel Efficiency(%)	23.52	23.77
Mechanical Data		
Panel Dimension(H/W/0)	1799 x 1134 x 28 mm	
Weight	22.5kg	
Cell Type	108 TOPcon Mono Cells	



S-NANO N-TOPcon SERIES - COLORFUL
360W/365W

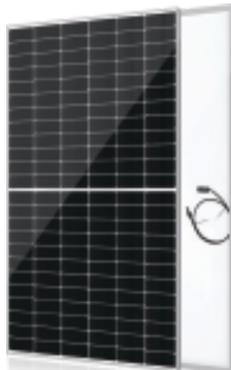
Electrical Data (STC)		
Part Number	S360M10C	S365M10C
Panel Efficiency(%)	18.40	18.70
Mechanical Data		
Panel Dimension(H/W/0)	1722 x 1134 x 30 mm	
Weight	20.5kg	
Cell Type	108 TOPcon Monocrystalline	

COMMERCIAL PV MODULES



S-MAX N-TOPcon SERIES - MONO FACIAL ULTRA BLACK 475W/480W

Electrical Data (STC)		
Part Number	S475M60NT3B	S480M60NT3B
Panel Efficiency(%)	22.01	22.24
Mechanical Data		
Panel Dimension(H/W/0)	1903 x 1134 x 30 mm	
Weight	24.2kg	
Cell Type	120 TOPcon Mono Cells	



S-MAX P3 SERIES - MONO FACIAL CELLS 545W/550W/555W/560W

Electrical Data (STC)				
Part Number	S545M72P3	S550M72P3	S555M72P3	S560M72P3
Panel Efficiency(%)	21.08	21.27	21.47	21.66
Mechanical Data				
Panel Dimension(H/W/0)	2279 x 1134 x 35 mm			
Weight	27kg			
Cell Type	144 Monocrystalline PERC			



S-MAX P4 SERIES - MONO FACIAL 655W/660W/665W/670W

Electrical Data (STC)				
Part Number	S655M66P4	S660M66P4	S665M66P4	S670M66P4
Panel Efficiency(%)	21.10	21.20	21.40	21.60
Mechanical Data				
Panel Dimension(H/W/0)	2384 x 1303 x 35 mm			
Weight	34.4kg			
Cell Type	132 Monocrystalline PERC			



S-MAX P3 SERIES - BIFACIAL CELLS 540W/545W/550W/555W

Electrical Data (STC)				
Part Number	S540M72P3BF	S545M72P3BF	S550M72P3BF	S555M72P3BF
Panel Efficiency(%)	20.90	21.10	21.29	21.48
Mechanical Data				
Panel Dimension(H/W/0)	2279 x 1134 x 30 mm			
Weight	31.8kg			
Cell Type	144 Monocrystalline PERC			



S-MAX N-TOPcon SERIES - BIFACIAL
565W/570W/575W/580W

Electrical Data (STC)

Part Number	S565M72NT3BF	S570M72NT3BF	S575M72NT3BF	S580M72NT3BF
Panel Efficiency(%)	21.87	22.07	22.26	22.45

Mechanical Data

Panel Dimension(H/W/0)	2278 x 1134 x 30 mm
Weight	32kg
Cell Type	144 N type Mono-crystalline

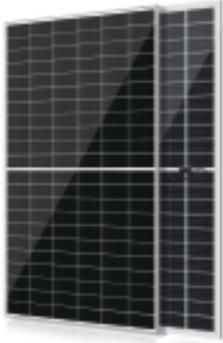
S-MAX P4 SERIES - BIFACIAL CELLS
650W/655W/660W/665W

Electrical Data (STC)

Part Number	S650M66P4BF	S655M66P4BF	S660M66P4BF	S665M66P4BF
Panel Efficiency(%)	20.90	21.10	21.20	21.40

Mechanical Data

Panel Dimension(H/W/0)	2384 x 1303 x 35 mm
Weight	38kg
Cell Type	132 Monocrystalline PERC



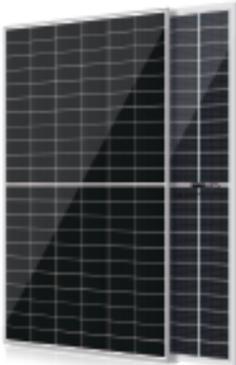
S-MAX N-TOPcon SERIES - BIFACIAL
700W/705W/710W

Electrical Data (STC)

Part Number	S700M66NT4BF	S705M66NT4BF	S710M66NT4BF
Panel Efficiency(%)	22.53	22.70	22.86

Mechanical Data

Panel Dimension(H/W/0)	2384 x 1303 x 35 mm
Weight	38kg
Cell Type	132 N-Type Monocrystalline



S-MAX HJT SERIES - BIFACIAL CELLS
445W/450W

Electrical Data (STC)

Part Number	S445M54HT3BFB	S450M54HT3BFB
Panel Efficiency(%)	22.79	23.04

Mechanical Data

Panel Dimension(H/W/0)	1722 x 1134 x 28 mm
Weight	19.5kg
Cell Type	108 HJT Mono-crystalline



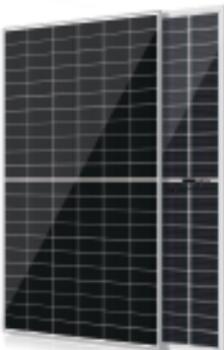
S-MAX HJT SERIES - BIFACIAL
710W/715W/720W

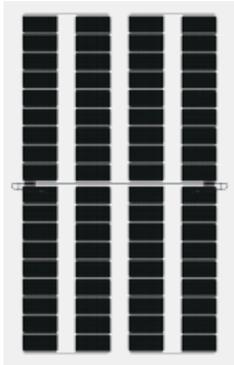
Electrical Data (STC)

Part Number	S710M66HT4BF	S715M66HT4BF	S720M66HT4BF
Panel Efficiency(%)	22.86	23.02	23.18

Mechanical Data

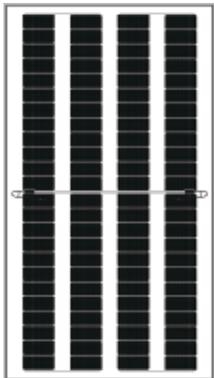
Panel Dimension(H/W/0)	2384 x 1303 x 35 mm
Weight	38.7kg
Cell Type	132 HJT Mono-crystalline





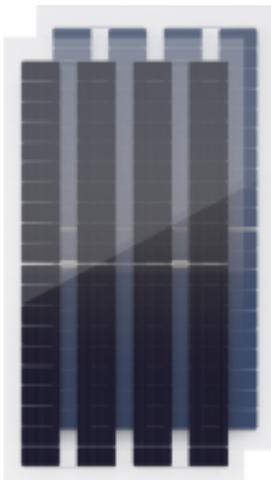
S-BLADE N-TOPcon SERIES - BIFACIAL BIPV FRAMELESS 265W/270W/275W/280W

Electrical Data (STC)				
Part Number	S265N36BPV	S270N36BPV	S275N36BPV	S280N36BPV
Panel Efficiency(%)	12.01	12.20	12.38	12.57
Mechanical Data				
Panel Dimension(H/W/0)	1750 x 1150 x 7.1 mm			
Weight	30kg			
Cell Type	72 N-Type Monocrystalline			
Transmittance	30%~40%			



S-BLADE N-TOPcon SERIES - BIFACIAL BIPV FRAMED 345W/350W/355W/360W/365W

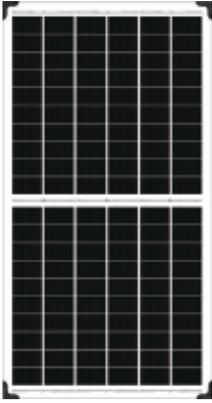
Electrical Data (STC)					
Part Number	S345M48BPV	S350M48BPV	S355M48BPV	S360M48BPV	S365M48BPV
Panel Efficiency(%)	10.47	10.64	10.73	10.73	10.81
Mechanical Data					
Panel Dimension(H/W/0)	2278 x 1134 x 30 mm				
Weight	32.5kg				
Cell Type	96 N-Type Monocrystalline				
Transmittance	35%~45%				



S-BLADE - BIFACIAL BIPV FRAMELESS

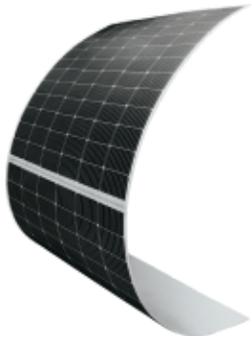
330W

Electrical Data (STC)	
Part Number	S330M40BPV
Panel Efficiency(%)	19.55
Mechanical Data	
Panel Dimension(H/W/0)	2088×1128×5 mm
Weight	27kg
Cell Type	80 Mono crystalline
Transmittance	45%



S-BLADE N-TOPcon SERIES - BIFACIAL BIPV FRAMELESS 465W/470W/475W/480W

Electrical Data (STC)				
Part Number	S465N60BPV	S470N60BPV	S475N60BPV	S480N60BPV
Panel Efficiency(%)	21.55	21.78	22.01	22.24
Mechanical Data				
Panel Dimension(H/W/0)	1930 x 1136 x 6.5 mm			
Weight	23.5kg			
Cell Type	120 N-Type Monocrystalline			



S-BLADE Flexible SERIES - Ultra Light

430W/435W/440W/445W/450W

Electrical Data (STC)					
Part Number	SSL430-60CW	SSL435-60CW	SSL440-60CW	SSL445-60CW	SSL450-60CW
Panel Efficiency(%)	19.80	20.00	20.30	20.50	20.70
Mechanical Data					
Panel Dimension(H/W/0)	1911 x 1137 mm	1911 x 1137 mm	1911 x 1137 mm	1911 x 1137 mm	1911 x 1137 mm
Type	Basic	Enhance	High performance		
Thickness	3.0 mm	3.3 mm	3.6 mm		
Weight	7.3 kg	8.5 kg	9.8 kg		

PLUG-PLAY PV MODULES

410W ALL BLACK



S-FIX 410W ALL BLACK

Solar PV Panel

Power	410W
Module Efficiency	21%
Current At Maximum Power	13.12A
Glass	Single glass, 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Dimension	1722 × 1134 × 30 mm
Weight	20.8 kg

PLUG-PLAY PV MODULES

480W ALL BLACK



S-FIX 480W ALL BLACK

Solar PV Panel

Power	480W
Module Efficiency	22.24%
Current At Maximum Power	13.57A
Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized aluminum alloy frame
Dimension	1903x1134x30 mm
Weight	24.2 kg



RESIDENTIAL ESS

**SINGLE PHASE/THREEPHASE
HYBRID INVERTER+BATTERY**



Easy Installation

Flexible configuration,
plug and play set-up,
built-in fuse protection.



High Voltage

Includes high-voltage
batteries for maximum
round-trip efficiency.



IP65 Rated

Engineered to last with
maximum flexibility. Suitable
for outdoor installation.



Remote Monitoring

Monitor your system
remotely via smartphone
app or web portal.



**MINICUBE ALL-IN-ONE Residential ESS- Single Phase
SES3.6K10H/SES5K10H**

Part Number	SES3.6K10H	SES5K10H
No. of Phase	Single	Single
Hybrid Inverter	3.6KW	5KW
Battery Capacity (LFP)	10KWh	10KWh
Battery Rated Voltage	96V	96V
Max PV Input	7.36KW	10KW
Rated Grid Output	3.6KVA	5KVA
Cycle of Life time	8000	8000



**MINICUBE ALL-IN-ONE Residential ESS- Three Phase
SET4K10H/SET5K10H/SET6K10H**

Part Number	SET4K10H	SET5K10H	SET6K10H
No. of Phase	Three	Three	Three
Hybrid Inverter	4KW	5KW	6KW
Battery Capacity (LFP)	10KWh	10KWh	10KWh
Battery Rated Voltage	96V	96V	96V
Max PV Input	8KW	10KW	12KW
Rated Grid Output	4KVA	5KVA	6KVA
Cycle of Life time	8000	8000	8000



**MINICUBE ALL-IN-ONE Residential ESS- Three Phase
SET8K15H/SET10K20H/SET12K20H**

Part Number	SET8K15H	SET10K20H	SET12K20H
No. of Phase	Three	Three	Three
Hybrid Inverter	8KW	10KW	12KW
Battery Capacity (LFP)	15KWh	20KWh	20KWh
Battery Rated Voltage	96V	96V	96V
Max PV Input	16KW	20KW	22.5KW
Rated Grid Output	8KVA	10KVA	12KVA
Cycle of Life time	8000	8000	8000

OFF GRID ALL-IN-ONE SYSTEM

SOF-3K-3.5H

SOF-5K-5H



OFF GRID ALL-IN-ONE SYSTEM SOF-3K-3.5H / SOF-5K-5H



Part Number	SOF-3K-3.5H	SOF-5K-5H
Rated AC Output Power	3 KW	5 KW
Peak Power(20ms)	9 KW	15 KW
Max PV Input Power	4000 W	5200 W
Battery Capacity	3.45 KWh	5.12 KWh
Nominal Voltage	25.6 V	51.2 V
Dimension(W*H*D)	500*380*300 mm	600*480*400 mm
Weight	41 kg	60 kg

HYBRID INVERTERS



SCO 3-8kW / Hybrid Single-phase Inverter

• Max 97.6% Efficiency • IP65 Protection • 2 MPPTs

Model	SCO-3KTL-HSS	SCO-3.6KTL-HSS	SCO-4.2KTL-HS	SCO-4.6KTL-HS	SCO-5KTL-HS	SCO-6KTL-HS	SCO-7KTL-HS	SCO-8KTL-HS
Max. Input Power (W)	4800	5760	6720	7360	8000	9600	11200	12800
Max. DC Input Voltage (V)	600	600	600	600	600	600	600	600
Nominated AC output Power (W)	3000	3600	4200	4600	5000	6000	7000	8000
Dimensions (mm)	550W*410H*175D							



SCO 3-10KTL-LS / Hybrid Single-phase Inverter

• Max 97.6% Efficiency • IP65 Protection • 2 MPPTs • Low Voltage

Model	SCO-3KTL-LSS	SCO-3.6KTL-LS	SCO-4.2KTL-LS	SCO-4.6KTL-LS	SCO-5KTL-LS	SCO-6KTL-LS	SCO-7KTL-LS	SCO-8KTL-LS	SCO-10KTL-LS	
Start-up Voltage (V)	80	80	80		80	80	80	125	125	125
Max. DC Input Voltage (V)	600	600	600		600	600	600	600	600	600
Nominated AC output Power (W)	3000	3600	4200		4600	5000	6000	7000	8000	10000
Dimensions (mm)	550W*410H*175D									



SCO 4-12kW / Hybrid Three-phase Inverter

• Max 98.2% Efficiency • IP65 Protection • 2 MPPTs

Model	SCO-4KTL-HT-P	SCO-5KTL-HT-P	SCO-6KTL-HT-P	SCO-8KTL-HT-P	SCO-10KTL-HT-P	SCO-12KTL-HT-P
Max. Input Power (W)	6400	8000	9600	12800	16000	19200
Max. DC Input Voltage (V)	1000	1000	1000	1000	1000	1000
Nominated AC output Power (W)	4000	5000	6000	8000	10000	12000
Dimensions (mm)	550W*410H*175D					



SCO 15-33kW / Hybrid Three-phase Inverter

• Max 98.2% Efficiency • IP65 Protection • 2 MPPTs

Model	SCO-15KTL-HT	SCO-17KTL-HT	SCO-20KTL-HT	SCO-25KTL-HT	SCO-29.9KTL-HT	SCO-30KTL-HT	SCO-33KTL-HT
Max. Input Power (W)	22500	25500	30000	37500	44850	45000	49500
Max. DC Input Voltage (V)	1000	1000	1000	1000	1000	1000	1000
Nominated AC output Power (W)	15000	17000	20000	25000	29900	30000	33000
Dimensions (mm)	600W*400H*280D						

ON GRID INVERTERS



SCO 1-3.3kW / On Grid Single-phase Inverter
 • Max 97.5% Efficiency • IP65 Protection • 1 MPPT

Model	SCO-1KTL-S-P	SCO-1.5KTL-S-P	SCO-2KTL-S-P	SCO-2.5KTL-S-P	SCO-3KTL-S-P	SCO-3.3KTL-S-P
Max. Input Power (W)	1600	2400	3200	4000	4800	4800
Max. DC Input Voltage (V)	500	500	500	500	500	500
Nominated AC output Power (W)	1000	1500	2000	2500	3000	3300
Dimensions (mm)	327W*297H*114D					



SCO 3-6kW / On Grid Single-phase Inverter
 • Max 98.1% Efficiency • IP65 Protection • 2 MPPTs

Model	SCO-3KTL-P	SCO-3.6KTL-P	SCO-4.2KTL-P	SCO-4.6KTL-P	SCO-5KTL-P	SCO-6KTL-P
Max. Input Power (W)	4800	5760	6720	7360	8000	9600
Max. DC Input Voltage (V)	600	600	600	600	600	600
Nominated AC output Power (W)	3000	3600	4200	4600	5000	6000
Dimensions (mm)	410W*360H*120D					



SCO 7-11kW / On Grid Single-phase Inverter
 • Max 98.1% Efficiency • IP65 Protection • 2 MPPTs

Model	SCO-7KTL	SCO-8KTL	SCO-9KTL	SCO-10KTL	SCO-11KTL
Max. Input Power (W)	11200	12800	14400	16000	16000
Max. DC Input Voltage (V)	600	600	600	600	600
Nominated AC output Power (W)	7000	8000	9000	10000	11000
Dimensions (mm)	550W*410H*175D				



SCO 3-6KTL-M / On Grid Three-phase Inverter
 • Max 98.3% Efficiency • IP66 Protection

Model	SCO-3KTL-MS	SCO-3KTL-M	SCO-4KTL-M	SCO-5KTL-M	SCO-6KTL-M
Max. Input Power (W)	4800	4800	6400	8000	9600
Max. DC Input Voltage (V)	1100	1100	1100	1100	1100
Nominated AC output Power (W)	3000	3000	4000	5000	6000
Dimensions (mm)	410W*360H*120D				



SCO 4-25kW / On Grid Three-phase Inverter
 • Max 98.6% Efficiency • IP65 Protection • 2 MPPTs

Model	SCO-4KTL-P	SCO-5KTL-P	SCO-6KTL-P	SCO-8KTL-P	SCO-10KTL-P	SCO-12KTL-P	SCO-15KTL-P	SCO-17KTL-P	SCO-20KTL-P	SCO-25KTL-P
Max. Input Power (W)	6400	8000	9600	12800	16000	19200	24000	27200	32000	40000
Max. DC Input Voltage (V)	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
Nominated AC output Power (W)	4000	5000	6000	8000	10000	12000	15000	17000	20000	25000
Dimensions (mm)	550W*410H*175D									



SCO 30-60kW / On Grid Three-phase Inverter
 • Max 98.8% Efficiency • IP66 Protection • 4 MPPTs

Model	SCO-29.9KTL	SCO-30KTL	SCO-33KTL	SCO-36KTL	SCO-40KTL	SCO-45KTL	SCO-50KTL-M	SCO-60KTL-M
Max. Input Power (W)	47840	48000	52800	57600	64000	72000	80000	96000
Max. DC Input Voltage (V)	1100	1100	1100	1100	1100	1100	1100	1100
Nominated AC output Power (W)	29900	30000	33000	36000	40000	45000	50000	60000
Dimensions (mm)	600W*400H*270D							



SCO 50-60kW / On Grid Three-phase Inverter
 • Max 98.8% Efficiency • IP65 Protection • 6 MPPTs

Model	SCO-50KTL-P	SCO-60KTL-P
Max. Input Power (W)	80000	96000
Max. DC Input Voltage (V)	1100	1100
Nominated AC output Power (W)	50000	60000
Dimensions (mm)	850W*520H*290D	



SCO 80-125kW / On Grid Three-phase Inverter
 • Max 98.8% Efficiency • IP65 Protection • 8/10 MPPTs

Model	SCO-80KTL	SCO-100KTL	SCO-110KTL	SCO-100KTL-HV	SCO-125KTL-HV
Max. Input Power (W)	128000	160000	176000	160000	200000
Max. DC Input Voltage (V)	1100	1100	1100	1100	1100
Nominated AC output Power (W)	80000	100000	110000	100000	125000
Dimensions (mm)	975W*680H*290D				

RESIDENTIAL ESS BATTERIES



Energy Stackable Lithium Battery/High Voltage SCE-ES HV5-30

Model	SCE-ES HV5	SCE-ES HV10	SCE-ES HV15	SCE-ES HV20	SCE-ES HV25	SCE-ES HV30
Nominal Energy (KWh)	5.12	10.24	15.36	20.48	25.60	30.72
Nominal Voltage (V)	102.4	204.8	307.2	409.6	512	614.4
Dimension (W*H*D mm)	700*365*430	700*530*430	700*695*430	700*860*430	700*1025*430	700*1190*430
Weight (Kg)	73	119	165	211	257	303



Energy Stackable Lithium Battery / Low Voltage SCE-ES LV5-30

Model	SCE-ES LV5	SCE-ES LV10	SCE-ES LV15	SCE-ES LV20	SCE-ES LV25	SCE-ES LV30
Nominal Energy (KWh)	5.12	10.24	15.36	20.48	25.60	30.72
Nominal Voltage (V)	51.2					
Dimension (W*H*D mm)	700*365*430	700*530*430	700*695*430	700*860*430	700*1025*430	700*1190*430
Weight (Kg)	73	119	165	211	257	303

COMMERCIAL ENERGY STORAGE SYSTEMS

50kW/100kW/250kW/500kW/1000kW



Multiple applications

Applications of the MEGACUBE include micro-grid, backup power, peak shaving, time of use bill management, frequency regulation, voltage support, renewable integration, and islanding.



Ready to fit anywhere

MEGACUBE battery energy storage solution is the ideal fit for large residential or light commercial applications. Each manufactured to be commercial BESS is install ready



The future of solar energy storage

Lithium Iron Phosphate (LiFePO₄) battery systems connected at high voltage come with 5000 cycle warranty and up to 80% DOD (Depth of Discharge) @ 1C 25°C





Megacube Commercial ESS Solutions S-MGC 50-64/S-MGC 50-128/S-MGC 50-192

Part Number	S-MGC 50-64	S-MGC 50-128	S-MGC 50-192
Rated AC Power(PCS)	50KW	50KW	50KW
Rated Battery Capacity	64KWh	128KWh	192KWh
Max PV Input	100KW	100KW	100KW
Combinet Size	2200x1300x2490mm		



Megacube Commercial ESS Solutions S-MGC100-128/S-MGC100-192/S-MGC100-256/S-MGC 100-320/S-MGC 100-384

Part Number	S-MGC 100-128	S-MGC 100-192	S-MGC 100-256	S-MGC 100-320	S-MGC 100-384
Rated AC Power(PCS)	100KW	100KW	100KW	100KW	100KW
Rated Battery Capacity	128KWh	192KWh	256KWh	320KWh	384KWh
Max PV Input	200KW	200KW	200KW	200KW	200KW
Combinet Size	2200x1300x2490mm		2991x2438x2591mm		



Megacube Commercial ESS Solutions S-MGC 250-276/S-MGC 250-552/S-MGC 250-1104/S-MGC 250-1656

Part Number	S-MGC 250-276	S-MGC 250-552	S-MGC 250-1104	S-MGC 250-1656
Rated AC Power(PCS)	250KW	250KW	250KW	250KW
Rated Battery Capacity	276KWh	552KWh	1104KWh	1656KWh
Max PV Input	275KW	500KW	500KW	500KW
Combinet Size	6058x2438x2591mm		12192x2438x2591mm	



Megacube Commercial ESS Solutions S-MGC 500-552/S-MGC 500-1104/S-MGC 500-1656/S-MGC 500-2208

Part Number	S-MGC 500-552	S-MGC 500-1104	S-MGC 500-1656	S-MGC 500-2208
Rated AC Power(PCS)	500KW	500KW	500KW	500KW
Rated Battery Capacity	552KWh	1104KWh	1656KWh	2208KWh
Max PV Input	560KW	560KW	560KW	560KW
Combinet Size	6058x2438x2591mm	12192x2438x2591mm		13716x2438x2591mm



Megacube Commercial ESS Solutions S-MGC 1000-2000

Part Number	S-MGC 1000-2000
Rated AC Power(PCS)	1000KW
Rated Battery Capacity	2MWh
Combinet Size	6058x2438x2591mm

EV Car Charger Business Wallbox

Innovative

- Temper glass panel, modern design
- Business use with intelligent App control

Intelligent

- Wireless communication (WiFi), Ethernet/4G optional
- OCPP communication protocol with CMS
- Intelligent operation by App and cashless payment

Flexible

- Universal Type 2 socket, optional with Type 1 / Type 2 charging cable
- App operation / RFID authentication / Plug & Play
- Wall-mount / Floor-stand installation

Secure and Safe

- RCD Type A and 6mA DC residual current protection
- MID certified energy meter with accurate measurement



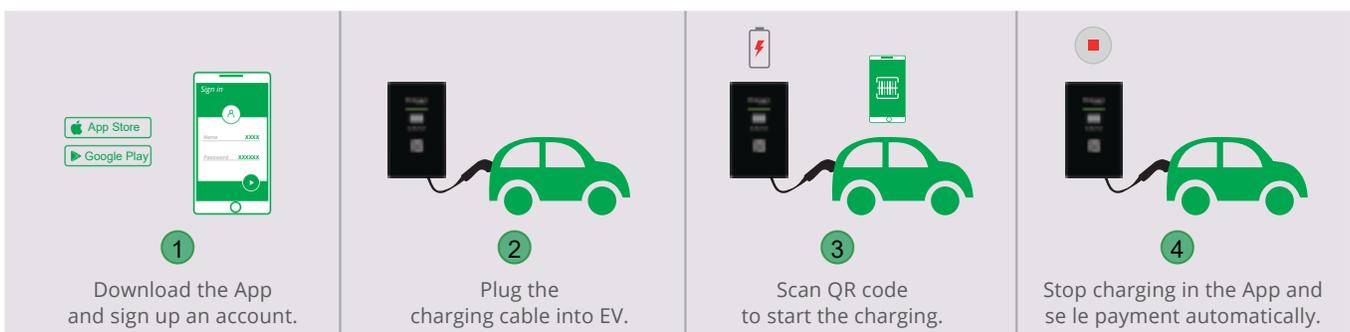
7kW



22kW

EV Car Charger Business Wallbox

Datasheet	Model	SS-AC7000-BE-34	SS-AC022K-BE-34
Input	Power Supply	1P+N+PE	3P+N+PE
	Rated Voltage	230V AC	400V AC
	Rated Current	32A	32A
	Frequency	50/60Hz	50/60Hz
Output	Output Voltage	230V AC	400V AC
	Maximum Current	32A	32A
	Rated Power	7kW	22kW
User Interface	Charge Connector	Type 2 socket	Type 2 socket
	Enclosure	Plastic PC940	Galvanized steel
	Front Panel	Temper glass	
	LED Indicator	Green/Yellow/Red	
	LCD Display	2.7" black & white LCD	
	RFID Reader	Mifare ISO/IEC 14443 A	
	Start Mode	Plug & Play/RFID card/App	
	Emergency Stop	No	
Communication	WiFi	Yes	
	Ethernet	Optional	
	3G/4G	Optional	
	OCPP	OCPP1.6 Json (OCPP 2.0 upgradable)	
Safety	Energy Meter	MID certified	
	RCD	30mA Type A + 6mA DC	
	Ingress Protection	IP54	
	Impact Protection	IK07	
	Electrical Protection	Over current protection, Residual current protection, Short circuit protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over temperature protection	
	Certification	CE/CB	
	Certification Standard	ENIEC 61851-1:2019, IEC 61851-1:2017, IEC61851-21-2:2018	
	Warranty	2 years	
Environment	Installation	Wall-mount/Pole-mount(Optional)	
	Work Temperature	-30°C~+50°C	
	Work Humidity	5%~95%	
	Work Altitude	<2000m	
Package	Product Dimension	356*221*136mm(H*W*D)	452*295*148mm(H*W*D)
	Package Dimension	490*340*210mm(L*W*H)	570*390*220mm(L*W*H)
	Net Weight	3.2kg	10.0kg
	Gross Weight	4.2kg	12.5kg
	External Package	Carton	



Shinson[®]

Technology Beyond Limits

DC Charger

High Efficiency

- One charger with multiple outputs, simultaneously charging
- Two CCS2 DC connectors, with output up to 120kW
- Constant power from 300~1000V voltage, less heat with smaller current

Intelligent

- Ethernet/4G/WiFi communication all supported
- OCPP communication protocol with CMS
- Intelligent operation by App and cashless payment

Flexible Option

- App operation /RFID authentication /Plug & Play
- High protection grade as IP54, with IP65 optional
- Optional POS terminal for contactless credit card payment

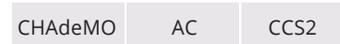
Secure and Safe

- Type ARCD for residual current protection
- MID certified AC meter
- ISO15118 prepared for advanced feature of Plug & Charge

Two Connectors



Three Connectors



DC Charger

Datasheet	Model	SS-DC120K-E2		
Input	Power Supply	3P+N+PE		
	Rated Voltage	400V AC		
	Rated Current	190A		
	Frequency	50/60Hz		
Output	Output Voltage	200~500V DC	400V AC	200~1000V DC
	Maximum Current	125A	32A	200A
	Rated Power	60kW	22kW	120kW
User Interface	Charge Connector	CHAdeMO	Type 2 cable	CCS2
	Cable Length	5m		
	Enclosure	Galvanized steel		
	LED Indicator	Green/Yellow/Red		
	LCD Display	10.1 color touch screen		
	RFID Reader	Mifare ISO/IEC 14443 A		
	Start Mode	Plug & Play/RFID card/App		
	Emergency Stop	Yes		
Communication	WiFi	Yes		
	Ethernet	Yes		
	3G/4G	Yes		
	OCP	OCP1.6 Json		
Electrical Parameter	Efficiency	Max 95%		
	Power Factor	≥0.99@50%~100% loading		
	THD	≤5%@100% loading		
	Ripple Factor	≤±1%		
Safety	RCD	Type A		
	Ingress Protection	IP54		
	Impact Protection	IK07		
	Electrical Protection	Over current protection, Residual current protection, Short circuit protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over temperature protection		
	Certification	CE/CB		
	Certification Standard	EN IEC 61851-1:2019, IEC 61851-1:2017, EN 61851-23:2014, EN 61851-24:2014		
	Warranty	2 years		
Environment	Installation	Floor-stand		
	Cooling Method	Fan cooling		
	Noise	≤65dB		
	Work Temperature	-30°C~+50°C		
	Work Humidity	5%~95%		
	Work Altitude	<2000m		
Package	Product Dimension	750*525*1830mm(W*D*H)		
	Package Dimension	1020*750*2020mm(L*W*H)		
	Net Weight	228.0kg		
	Gross Weight	268.5kg		
	External Package	Wood case		

Shinson®

Technology Beyond Limits

Hybrid Solar Air Conditioner Kit

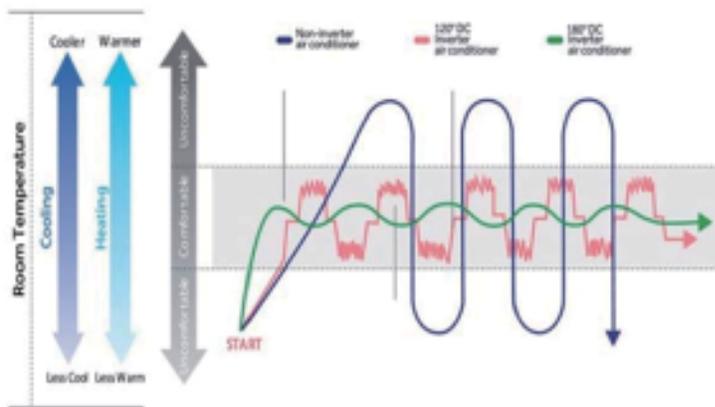


Shinson's hybrid solar air conditioner kits offer highly practical and plug-and-play solutions for residences, small commercial establishments, and remote locations. These kits contribute to energy savings and provide alternative energy solutions, particularly in areas where a traditional grid is not available.

SHINSON | TECHNOLOGY BEYOND LIMITS



Shinson air conditioner PV systems allow installers to connect them to the AC main service panel of any house. Owners are given the option to either consume the power generated from their PV system day time or from the grid night time. These systems are provided with 180° sine wave DC inverter controller technology for inverter air conditioner, "SVPWM" which makes the compressor run at low frequency below 0.1Hz, improve the utilization of the DC compressor by 13% compared with 120 DC inverter controller technology by 32% compared with Non-inverter air conditioner.



Twin Rotary Compressor

Our system uses WiFi or Bluetooth to control solar air conditioner

WiFi Smart Control



App power meter



Solar & Grid Indicator

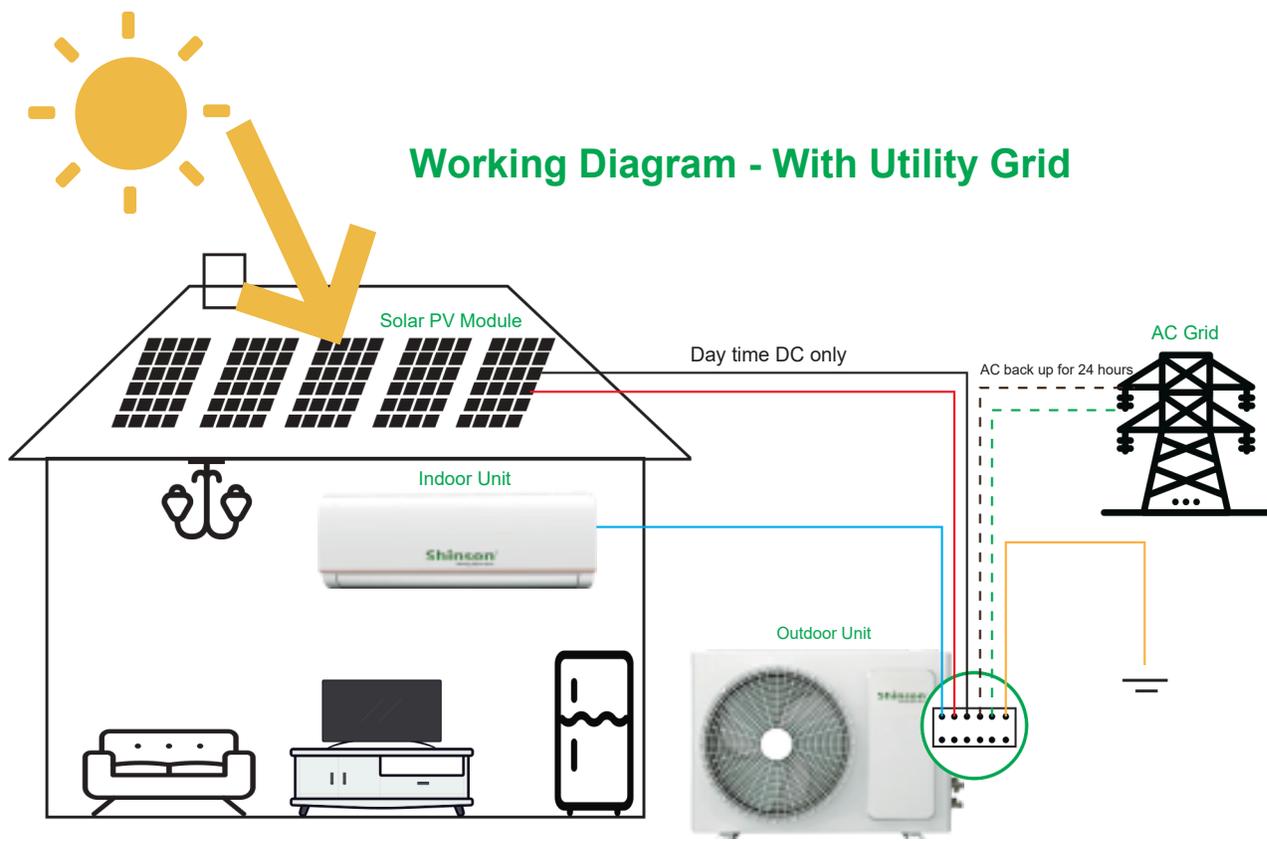


Common Applications

- Homes
- Villas
- Offices
- Apartments

Benefits

- Your electric bill
- Improve the air quality
- Reduce the noise
- Reduce your carbon footprint



Model	Solar panel In Series connection	QTY
SSA-1P/HB		410W*3pcs
SSA-1.5P/HB		410W*4pcs
SSA-2P/HB		410W*5pcs
SSA-3P/HB		410W*7pcs

Shinson AC/DC Hybrid DC inverter type Solar Air-Conditioner

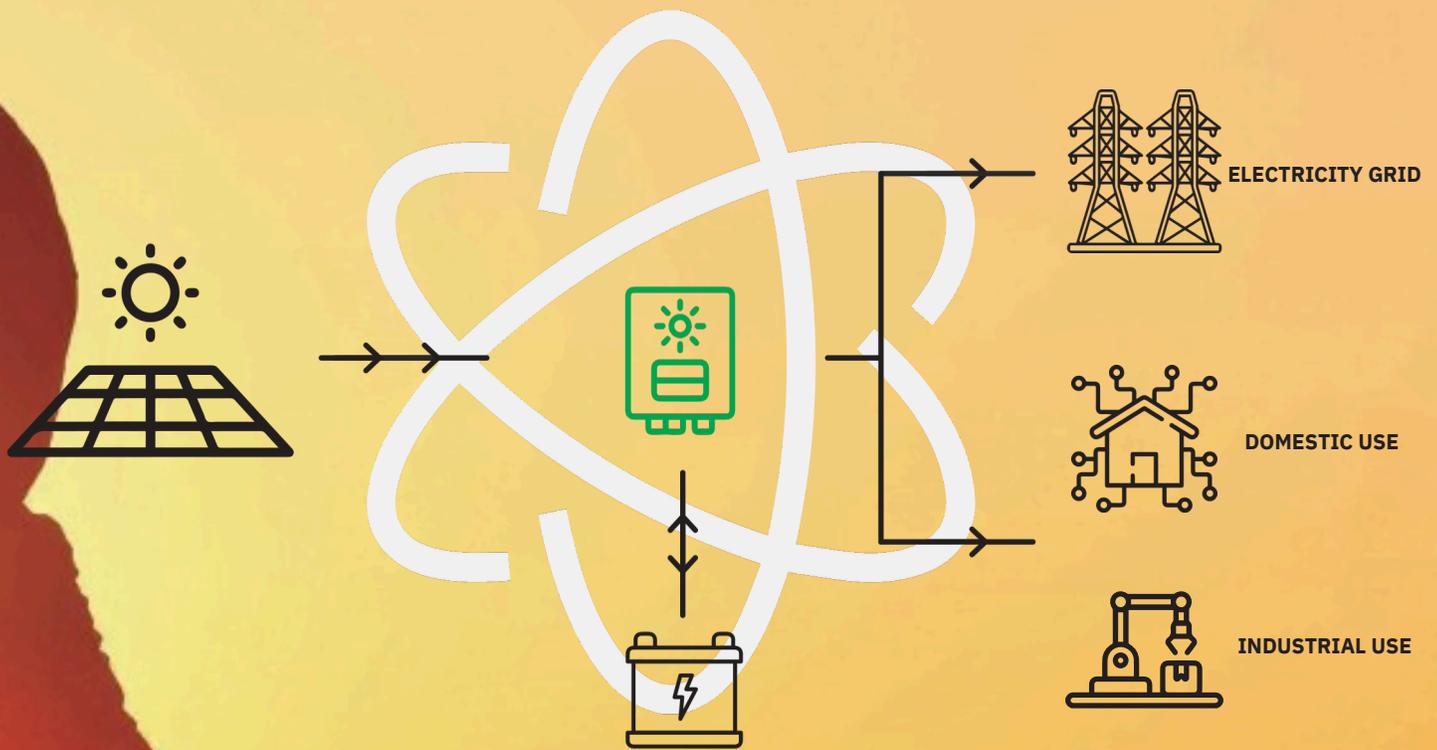
Model No.		SSA-1P/HB	SSA-1.5P/HB	SSA-2P/HB	SSA-3P/HB	
Ton		0.75 Ton	1 Ton	1.5 Ton	2 Ton	
HP		1 HP	1.5 HP	2 HP	3 HP	
AC power voltage		220V/50/60HZ				
DC power voltage		DC90-380V				
DC power current		<13A				
Performance						
Capacity	Cooling	Btu/h	9000(3100~10600)	12000(3200~12600)	18000(5100~19500)	24000(6800~25600)
		W	2600(940~3300)	3400(1000~3770)	5100(1250-5910)	7030(1990~7500)
	Heating	Btu/h	10000(3100~10600)	13000(3200~12600)	20000(5100~19500)	26000(6800~25600)
		W	2900(940~3400)	3700(1000~3900)	6000(1250-6100)	7530(1990~7800)
Capacity	Indoor	dB(A)	≤40	≤42	≤44	≤46
	Outdoor	dB(A)	≤50	≤52	≤55	≤58
Air Circulation		m ³ /h	450	550	750	1050
Suitable Area		m ²	10~15	12~25	20~35	25~45
EER		W/W	4.5	4.5	4.5	4.4
SEER		Btu/h/w	34	34	34	33
HSPF		Btu/h/w	5.8	6	4.9	4.8
Operating Range		C/F	16C-31C/5F-122F			
Design pressure		PSI	550 / 340			
Refrigerant Oil			VG74			
Refrigerant			R410A/R32			
Compressor		Model	C-1R089HAL	C-1R089HAL	C-1R133H9AL	C-146H82AHI
		Type	Twin-Rotray	Twin-Rotray	Twin-Rotray	Twin-Rotray
		Brand	Sanyo			
Indoor Fan motor			BLDC-15W	BLDC-20W	BLDC-30W	BLDC-40W
Outdoor Fan motor			BLDC-20W	BLDC-28W	BLDC-50W	BLDC-70W
Liquid side/ Gas side			1/4"/3/8"	1/4"/3/8"	1/4" / 1/2"	1/4" / 5/8"
DC Connection /Wire			MC4/AWG 10/12	MC4/AWG 10/12	MC4/AWG 10/12	MC4/AWG 10/12
Power Consumption						
Rated Power Input		W	0-550	0-700	0-950	0-1350
Rated Current		A	0-2.54	0-3.82	0-4.32	0-5.68
Dimension						
Indoor Unit	NET	mm	785*275*195	785*275*195	985*300*220	985*300*220
	Shipping	mm	860*325*265	860*325*265	1080*380*300	1080*380*300
Outdoor Unit	NET	mm	680*250*450	790*260*540	850* 290* 580	865*310*710
	Shipping	mm	710*332*510	910*370*610	995* 390* 650	1025*395*790
Weight						
Indoor Unit	Net/Gross	kg	11/13	13/15	17/19	19/21
Unit	Net/Gross	kg	38/40	45/48	48/55	56/62
Configuration		Optional	3*410W	4*410W	5*410	7*410
Container load quantity						
Indoor Unit	SET	SET	125	100	75	50
Outdoor Unit	SET	SET	270	225	165	125



THE MARKET REVOLUTION

We believe in technology that can combine the opportunities of hyperconnectivity and the cloud with a new, more efficient idea of energy that respects the environment in which our children will live.

Shinson's commitment is not limited to the production of 'hardware' technologies such as solar panels, batteries and inverters. By collaborating with universities and technology development companies, the development of new technologies will, in the short term, radically revolutionise the market.



SYSTEM INTEGRATOR

An extremely advanced system designed to assist and independently manage photovoltaic systems of households, energy communities and industrial plants, drastically reducing human intervention.

...imagine having a system that can predict the comfort of your home or office. That can read the weather, know and compare energy prices on the market to store energy at the most opportune times.

Active artificial intelligence is just around the corner to make your life easier and save you money.

BRAZIL BDR

Agriculture Raw

Solar energy painel



Purification for life



UF System

Marcelo Pontes
Int'l Business Consultant

+55 45 988146125

marceloJp11

marcelo.pontes@maru-sero.com.br

WWW.MARU-SERO.COM.BR

Osmose System

Optical fiber

Manufacturing Basement & Headquater
Shinson Technology Co.,Ltd
Block#201, No.9 Chuangye Road, Changzhou, Jiangsu, PRC

European Office
Shinson Technology SAS
24 Rue Lamaitine Bal Numero 92 38320 Eybens, France

HongKong Office
Shinson Technology Limited
Room#1318 ,Hollywood Plaza, 610 Nathan Road, Mongkok, Kowloon, HK

Australian Office
ShinsonTechnologyPty Ltd
34 High Street, Glen Iris 3146 VIC, Australia



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