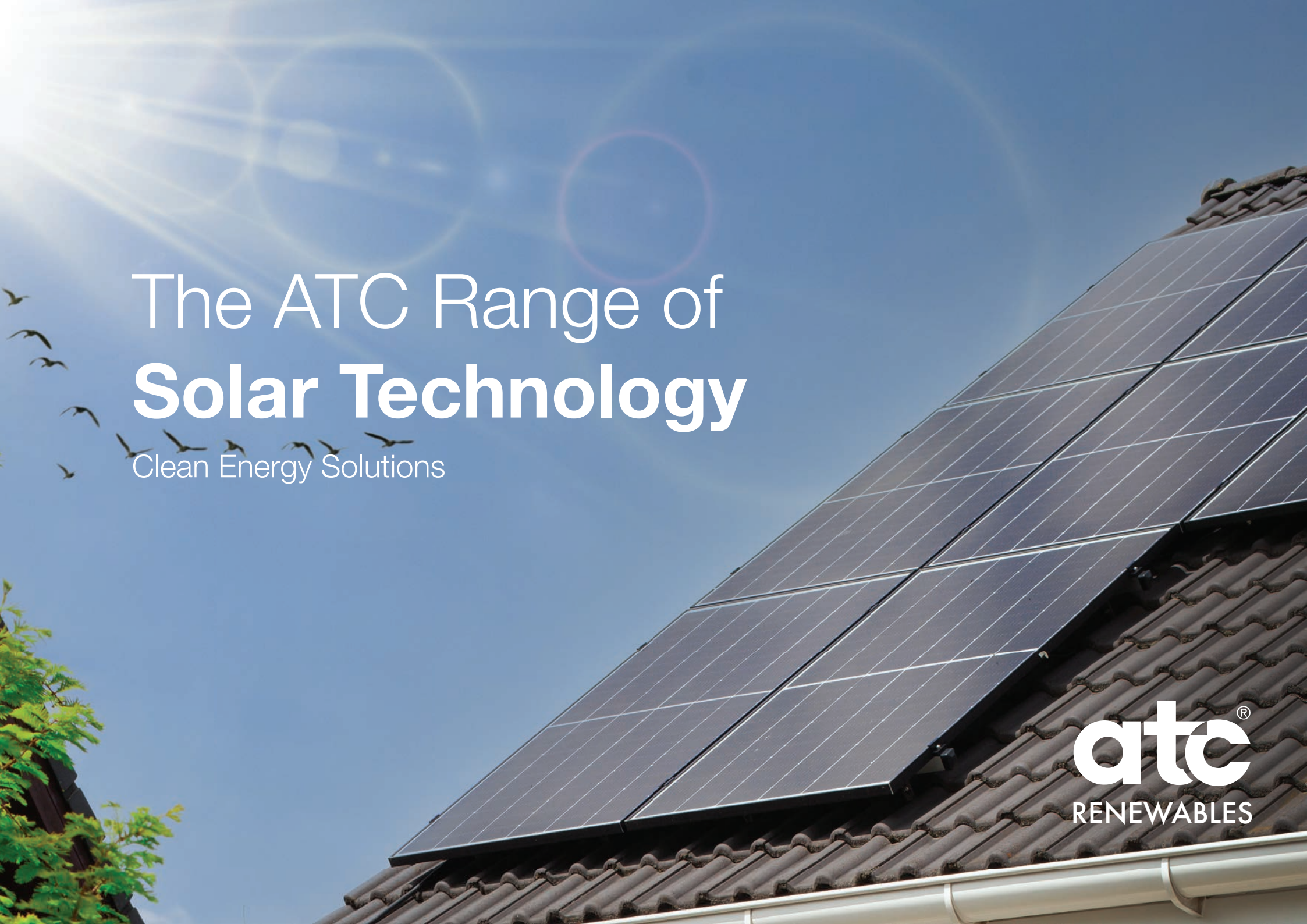


The ATC Range of **Solar Technology**

Clean Energy Solutions

atc® RENEWABLES

Contents

Introduction

ATC are award winning providers of clean energy solutions.

Our Mission

ATC provides clean energy solutions to improve the comfort and well-being of society for future generations. For over 30 years, we have inspired trust in our partners and through our talented people, we are dedicated to delivering outstanding service and support.

Innovative – In a dynamic market, our in-house team of product developers are always researching the latest technology that can be adopted to improve our range of energy efficient products.

Efficient – Providing outstanding customer service in support of our energy efficient products is at the centre of what we do.

Controllable – Our products are built with user control in mind. This improves usability and ensures that energy usage is optimised – only being used when required, minimising waste and reducing costs.

Smart – We believe connected product ranges are the way forward. Smart features offer a variety of controllability options, enhancing the user experience and improving overall efficiency and effectiveness.

Consumer Led – Listening to the specific needs of our customers is important to us. This ensures emerging customer needs are met through new and improved product ranges, helping to reduce costs and carbon emissions, one customer at a time.

ATC Partners with Sungrow

SUNGROW
Clean power for all

As the global leading PV inverter and energy storage system supplier, partnering with Sungrow marks the beginning of an exciting period in the growth of our renewable energy business.

This partnership is part of our commitment to the continuous innovation and development of efficient, smart and controllable technologies.

Sungrow's core products, photovoltaic inverters, have been **accredited by TÜV, CSA, SGS**, and many other international authorities, and sold to more than 150 countries and regions in the world. Sungrow's cumulative installed capacity of inverter & converter equipment across the world has been above **405GW** by the end of June 2023.

Founded in 1997, Sungrow is the **world's leading inverter supplier,** recording revenues in excess of $5.98 billion in 2022.

Ranked by Bloomberg NEF to be the **most bankable inverter brand,** Sungrow has retained this for the last 4 years.

Sungrow has its own industry leading testing centre certified by all major international certification bodies including TÜV SÜD, CSA, UI and CNAS.

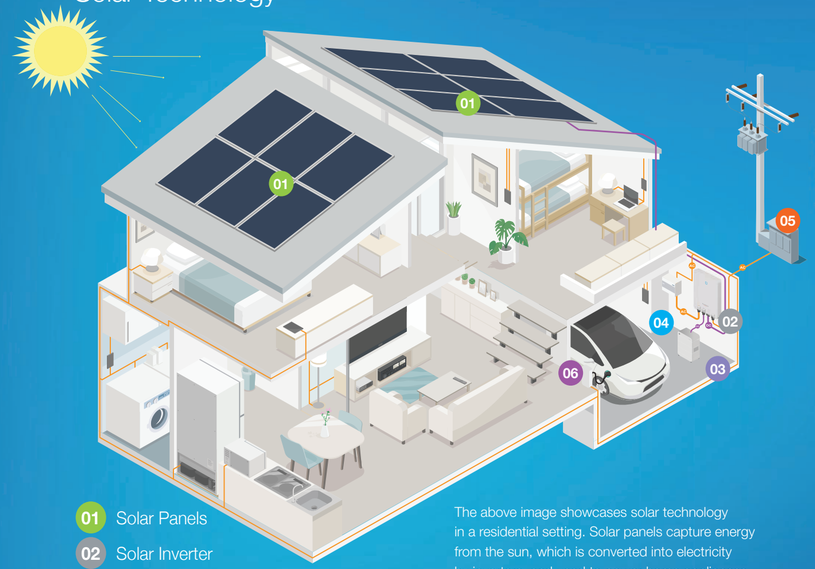
Sungrow products have passed over **one thousand independent quality and reliability tests,** a feat unmatched by the majority of inverter manufacturers.

- **No.1 bankable brand for 4 consecutive years.**
- **The ONLY inverter supplier ranked 100% bankable.**
- **No.1 in global PV inverter shipment.**
- **Largest dedicated R&D team in the industry.**

Bloomberg's Test Criteria

- **Reliability of Warranties and Insurance**
- **Availability of Local Support**
- **Excellent Product Quality**

Solar Technology



iSolar Cloud App

Guides you through commissioning in a breeze.

Reliable, easy-to-use monitoring platform, which keeps your data safe.

01 Solar Panels
02 Solar Inverter
03 Battery
04 Switch Board
05 Electricity Grid
06 AC Car Charger

The above image showcases solar technology in a residential setting. Solar panels capture energy from the sun, which is converted into electricity by inverters, and used to power home appliances and heating systems. Even electric vehicles are covered, through the use of a domestic EV charger. Surplus energy which is not used is diverted to battery storage or redistributed to the electricity grid.

atc® RENEWABLES

iSolarCloud Free, Smart and Easy to Use

Superior monitoring, higher yield. Get the most out of your PV installations with free of charge, system monitoring platform. Whether it's information on an app or on desktop, we care about data security. All data is stored on European servers.

Available on the App Store

GET IT ON Google Play

Fast
The iSolarCloud wizard guides you through commissioning in a breeze.

Safe
Your data is secured on a European server; 100% GDPR compliant.

Smart
Benefit from remote parameter setting and troubleshooting from wherever you are.

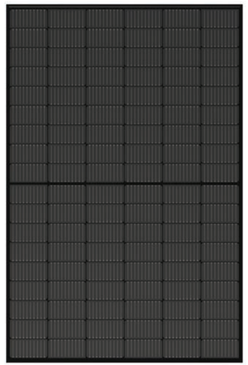
Easy
Enjoy the most user-friendly monitoring with lucid tables and automated reports.

Future-proof
Be up to speed with the newest features and latest updates.

Connected
Share your solar system with your colleagues and family.

P-Type Residential Panel

PVP-BB-P- Series (Full Black)



PVP-BB-P- Series

Half-Cell Monofacial Module

Key Features

- **Power Output 400-415W**
- **Max Efficiency 21.0%**
- **Full Black Module**
- **Annual degradation: 0.55%**

* Please refer to Standard Module Installation Manual for details.

Product Features

High Module Conversion Efficiency
21.0% achieved through advanced cell technology and manufacturing process.

Aesthetically Appealing
Elegant full-black panel design allows for seamless integration with building components. Once installed, the results are subtle and aesthetically appealing.

Excellent Weak Light Performance
More power output in weak light conditions, such as early morning, dusk and cloudy circumstances.

Lower Operating Temperature
Lower operating temperature and temperature coefficient increases the power output.

Extended Wind & Snow Load Tests
Module certified to withstand extreme wind (3800 Pascal) and Snowloads (6000 Pascal)*.

Withstands Harsh Environments
Reliable quality results in extended product durability – even in harsh environments such as deserts, farms and coastlines.

Certifications and Standards

CE	IEC 61730 IEC 61215
SA 8000	Social Responsibility Standards
ISO 9001	Quality Management System
ISO 14001	Environment Management System
ISO 45001	Occupational Health and Safety
IEC TS 62941	Guideline for module design qualificationand type approval

*** WEEE only for EU market
**** ATC reserves the right to the final interpretation of the warranty by Munich Re.

15 YEAR PRODUCT WARRANTY

25 YEAR LINEAR WARRANTY

Mechanical Characteristics

Solar Cell	Monocrystalline silicon 182mm
No. of Cells	108 (6 x 18)
Dimensions	1722 x 1134 x 30mm
Weight	21.0kgs
Front Glass	3.2mm fully tempered glass
Output Cables	4.0mm², (-) 1400mm (+) 1400mm in length
Connectors	MC4-EVO2
Junction Box	IP68 rated (3 bypass diodes)
Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500V DC (IEC)
Maxiumum Series Fuse Rating	25A
Power Tolerance	0/+5W

Electrical Characteristics

Values may change depending on output wattage

Module Type	PVP-BB-P Series	
Testing Condition	STC	NMOT
Maximum Power (Pmax/W)	405	306.0
Optimum Operating Voltage (Vmp/V)	31.38	29
Optimum Operating Current (Imp/A)	12.91	10.56
Open Circuit Voltage (Voc/V)	37.24	34.8
Short Circuit Current (Isc/A)	13.81	11.10
Module Efficiency (%)	20.7	

STC: Irradiance 1000W/m2, module temperature 25°C, AM=1.5; NMOT: Irradiance 800W/m2 , ambient temperature 20°C, AM=1.5, wind speed 1m/s; Tolerance of Pmax is within +/- 3%;

Packing Configuration

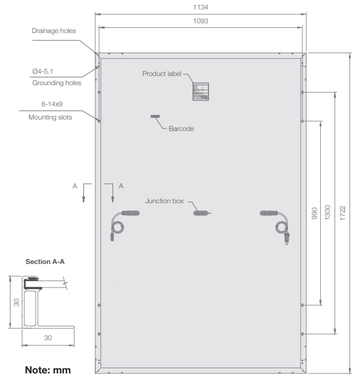
Container	40' HC
Pieces per pallet	36
Pallets per container	26
Pieces per container	936
Packaging box dimensions	1755 × 1120 × 1255mm
Packaging box weight	794kg

Information on how to install and operate this product is available in the installation instruction. All values indicated in this data sheet are subject to change without prior announcement. The specifications may vary slightly. All specifications are in accordance with standard EN 50380. Color differences of the modules relative to the figures as well as discolorations of/in the modules which do not impair their proper functioning are possible and do not constitute a deviation from the specification.

Temperature Characteristics

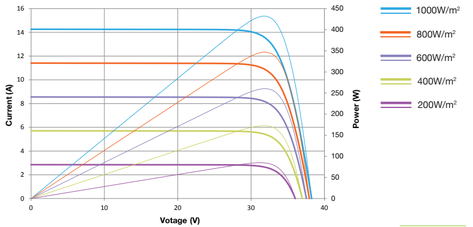
Nominal Module Operating Temperature (NMOT)	42 ± 2°C
Temperature Coefficient of Pmax	-0.34%/°C
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	+0.050%/°C

Rear View



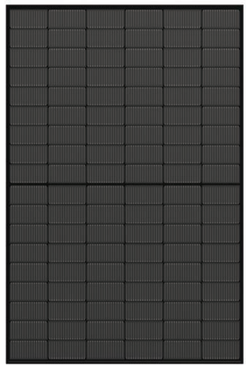
Note: mm

Graphs Current-Voltage & Power-Voltage Curve)



N-Type Residential Panel

PVP-BB-N Series (Full Black)



PVP-BB-N- Series

Half-Cell N-Type Monofacial Module

Key Features

- **Power Output 410-430W**
- **Max Efficiency 22.0%**
- **Full Black Module**
- **Annual degradation: 0.40%**

* Please refer to Standard Module Installation Manual for details.

Product Features

High Module Conversion Efficiency
Module efficiency up to 22.0% achieved through advanced cell technology and manufacturing process.

Multi Busbar Technology
Superior optical utilization and current collection capability, effectively improving product power and reliability.

Aesthetically Appealing
Elegant full-black panel design allows for seamless integration with building components. Once installed, the results are subtle and aesthetically appealing.

Excellent Weak Light Performance
More power output in weak light conditions, such as early morning, dusk and cloudy circumstances.

Lower Operating Temperature
Lower operating temperature and temperature coefficient increases the power output.

Extended Wind & Snow Load Tests
Module certified to withstand extreme wind (3800 Pascal) and snow loads (6000 Pascal)*.

Certifications and Standards

CE	IEC 61730 IEC 61215
SA 8000	Social Responsibility Standards
ISO 9001	Quality Management System
ISO 14001	Environment Management System
ISO 45001	Occupational Health and Safety
IEC TS 62941	Guideline for module design qualificationand type approval

Munich RE ****

*** WEEE only for EU market
**** ATC reserves the right to the final interpretation of the warranty by Munich Re.

15 YEAR PRODUCT WARRANTY

25 YEAR LINEAR WARRANTY

Mechanical Characteristics

Solar Cell	N-Type Monocrystalline silicon 182mm
No. of Cells	108 (6 × 18)
Dimensions	1722 × 1134 × 30mm
Weight	21.0kgs
Front Glass	3.2mm fully tempered glass
Output Cables	4.0mm², (-) 1400mm (+) 1400mm in length
Junction Box	IP68 rated (3 bypass diodes)
Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500V DC (IEC)
Connectors	MC4 EVO2
Maxiumum Series Fuse Rating	25A
Power Tolerance	0/+5W

Electrical Characteristics

Values may change depending on output wattage

Module Type	PVP-BB-N Series	
Testing Condition	STC	NMOT
Maximum Power (Pmax/W)	425	325
Optimum Operating Voltage (Vmp/V)	32.15	30.1
Optimum Operating Current (Imp/A)	13.22	10.82
Open Circuit Voltage (Voc/V)	38.59	36.7
Short Circuit Current (Isc/A)	14.17	11.42
Module Efficiency (%)	21.8	

STC: Irradiance 1000W/m², module temperature 25°C, AM=1.5; NMOT: Irradiance 800W/m², ambient temperature 20°C, AM=1.5, wind speed 1m/s; Tolerance of Pmax is within +/- 3%;

Packing Configuration

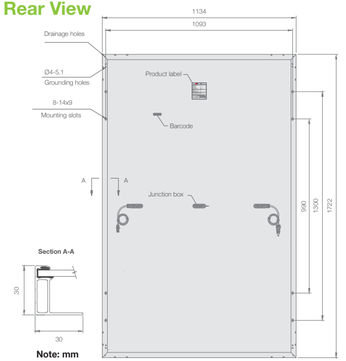
Container	40' HC
Pieces per pallet	36
Pallets per container	26
Pieces per container	936
Packaging box dimensions	1755 × 1120 × 1255mm
Packaging box weight	794kg

Information on how to install and operate this product is available in the installation instruction. All values indicated in this data sheet are subject to change without prior announcement. The specifications may vary slightly. All specifications are in accordance with standard EN 50380. Color differences of the modules relative to the figures as well as discolorations of/in the modules which do not impair their proper functioning are possible and do not constitute a deviation from the specification.

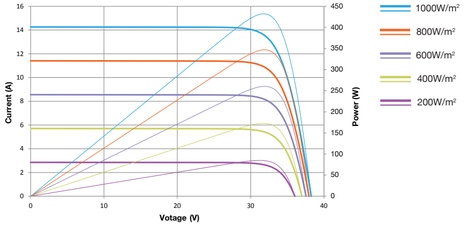
Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	42 ± 2°C
Temperature Coefficient of Pmax	-0.30%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.046%/°C

Rear View

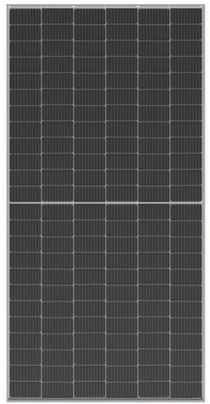


Graphs Current-Voltage & Power-Voltage Curve



P-Type Commercial Panel

PVP-BW-P Series



PVP-BW-P-Series

Half-Cell Monofacial Module

Key Features

- **Power Output 530-550W**
- **Max Efficiency 21.3%**
- **Annual degradation: 0.55%**

* Please refer to Standard Module Installation Manual for details.

Product Features

High Module Conversion Efficiency
Module efficiency up to 21.3% achieved through advanced cell technology and manufacturing process.

Multi Busbar Technology
Superior optical utilization and current collection capability, effectively improving product power and reliability.

Excellent Weak Light Performance
More power output in weak light conditions, such as early morning, dusk and cloudy circumstances.

Lower Operating Temperature
Lower operating temperature and temperature coefficient increases the power output.

Extended Wind & Snow Load Tests
Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal)*.

Withstands Harsh Environments
Reliable quality results in extended product durability – even in harsh environments such as deserts, farms and coastlines.

Certifications and Standards

CE	IEC 61730 IEC 61215
SA 8000	Social Responsibility Standards
ISO 9001	Quality Management System
ISO 14001	Environment Management System
ISO 45001	Occupational Health and Safety
IEC TS 62941	Guideline for module design qualification and type approval

Munich RE ****

*** WEEE only for EU market
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12 YEAR PRODUCT WARRANTY

25 YEAR LINEAR WARRANTY

Mechanical Characteristics

Solar Cell	Monocrystalline silicon 182mm
No. of Cells	144 (6 × 24)
Dimensions	2278 × 1134 × 35mm
Weight	27.5kgs
Front Glass	3.2mm fully tempered glass
Output Cables	4.0mm², (-) 350mm (+) 160mm in length or customised length
Junction Box	IP68 rated (3 bypass diodes)
Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500V DC (IEC)
Maxiumum Series Fuse Rating	25A
Power Tolerance	0/+5W

Electrical Characteristics

Values may change depending on output wattage

Module Type	PVP-BW-P-V Series	
Testing Condition	STC	NMOT
Maximum Power (Pmax/W)	550	415
Optimum Operating Voltage (Vmp/V)	42.05	38.9
Optimum Operating Current (Imp/A)	13.08	10.67
Open Circuit Voltage (Voc/V)	49.88	46.9
Short Circuit Current (Isc/A)	14.01	11.22
Module Efficiency (%)	21.3	

STC: Irradiance 1000W/m², module temperature 25°C, AM=1.5; NMOT: Irradiance 800W/m² , ambient temperature 20°C, AM=1.5, wind speed 1m/s; Tolerance of Pmax is within +/- 3%;

Packing Configuration

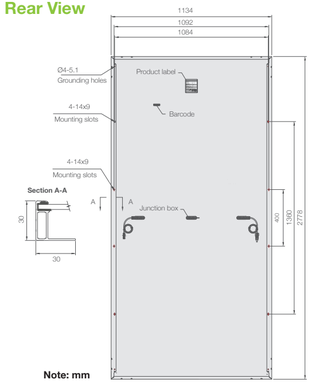
Container	40' HC
Pieces per pallet	36
Pallets per container	20
Pieces per container	720
Packaging box dimensions	2310 × 1120 × 1255mm
Packaging box weight	1040kg

Information on how to install and operate this product is available in the installation instruction. All values indicated in this data sheet are subject to change without prior announcement. The specifications may vary slightly. All specifications are in accordance with standard EN 50380. Color differences of the modules relative to the figures as well as discolorations of/in the modules which do not impair their proper functioning are possible and do not constitute a deviation from the specification.

Temperature Characteristics

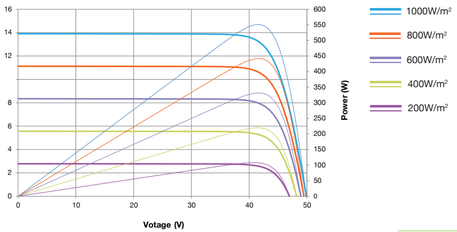
Nominal Module Operating Temperature (NMOT)	42 ± 2°C
Temperature Coefficient of Pmax	-0.34%/°C
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	+0.050%/°C

Rear View



Note: mm

Graphs Current-Voltage & Power-Voltage Curve



Inverters Residential String

1-Phase String, 2-6kW

Key Features

- **High Yield**
  Lower startup and wider MPPT voltage.
- **Smart Management**
  24/7 live monitoring with remote firmware updates.
- **Safe & Reliable**
  Quick arc fault circuit interrupter.
- **User Friendly**
  Lightweight compact design.
- **8 Sizes available**
  SG2.0RS-S, SG2.5RS-S, SG3.0RS-S, SG3.0RS, SG3.6RS, SG4.0RS, SG5.0RS, SG6.0RS.

3-Phase String, 5-20kW

Key Features

- **Flexible**
  Wide range of DC current input, compatible with high-power PV module.
- **Smart Management**
  Compatible with AC EV Charger for green energy to EV.
- **Energy Independence**
  Seamless transition to backup mode for protection against power outages.
- **Easy Installation**
  Plug and play installation.
- **7 Sizes Available**
  SG5.0RT, SG6.0RT, SG8.0RT, SG10RT, SG12RT, SG15RT, SG20RT.

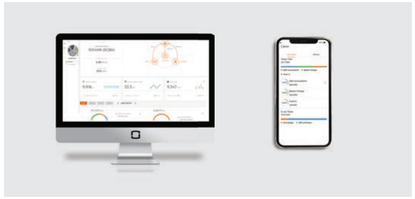
SUNGROW
Clean power for all

Easy

The unique Push – Click – Go connectors make installation more convenient than ever. Integrated water level allows for easy mounting.

Smart

iSolarCloud – Guided off-line commissioning and free monitoring wherever you are.



10 YEAR WARRANTY

Inverters Residential Hybrid

1-Phase Hybrid, 3-6kW

Key Features

- **Innovation at its Best**
  This inverter has proven popular since its inception in 2015.
- **Energy Independence**
  Offers seamless transition to backup and PID Recovery modes.
- **User Friendly**
  Lightweight and easy to install.
- **Smart Management**
  24/7 live monitoring with remote firmware updates.
- **5 sizes available**
  SH3.0RS, SH3.6RS, SH4.0RS, SH5.0RS, SH6.0RS.

3-Phase Hybrid, 5-10kW

Key Features

- **Future Forward**
  Offering smart energy management and an emergency power function.
- **Energy Independence**
  Offers seamless transition to backup and PID Recovery modes.
- **Easy to Use**
  Quick to install.
- **Parallel Connection**
  Available for 50-125kWh.
- **4 sizes available**
  SH5.0RT, SH6.0RT, SH8.0RT, SH10RT.

SUNGROW
Clean power for all

Beyond Powerful Backup

Grid failure? Nothing to worry about! In case of a blackout our hybrid inverters will automatically switch into backup mode.

Beyond Fast

Thanks to external connectors there is no need to open the inverter, resulting in a less time consuming installation.

10 YEAR WARRANTY

Inverters Commercial

Commercial SG33CX-P2

Key Features

- **High Yield**
  Wide range of DC current inputs available.
- **Smart O&M**
  Key component diagnosis and protection.
- **User Friendly**
  Plug and play installation.
- **Safe to Use**
  IP66 protection and C5 anti-corrosion.
- **3 Sizes Available**
  SG33CX-P2, SG50CX-P2, SG125CX-P2.

Durable

Smart active cooling – Durable, high-quality fans ensure the perfect operating temperature at any time. Longevity engineered.

Profitable

DC/AC ratio up to 1.4 – Sometimes less is more. With Sungrow you need fewer inverters for the same amount of PV.

Easy

Patented AC-Connector – No need to open the inverter for commissioning. Solutions that stand out!

Safe

IP66, C5 and NS-protection – Safety is our top priority. Our integrated NS-protection isn't just safe, but also saves you a lot of money.

5 YEAR WARRANTY

Batteries Residential

Singular Battery Module
SBR 3.2kWh Battery Module

Key Features

- **High Performance**
  Up to 30A continuous charging and discharging.
- **Flexible**
  Support 3-8 modules per unit, totalling 9.6 - 25.6 kWh.
- **Easy to Install**
  Compact, lightweight, stackable battery modules. Each battery module weighs 33kg.
- **Safe to Use**
  Lithium iron phosphate battery comes with extensive safety certifications.

Stacked Battery System
SBR 6.4kWh Battery System

Product Details

- Combo Solution 6.4kW Storage Battery
  - Add 2 extra modules to create 12.8kWh.
  - Add 3 extra modules to create 16kWh.

Beyond Effortless

With only 33 kg per module and comfortable handles, the installation of the battery can easily be realized by one person.

10* YEAR WARRANTY

*Check Sungrow battery warranty for full details.

EV Chargers

Residential EV Charger

Key Features

- **Space Saving**
  7m charging cable, with optional pole or wall mounting available.
- **Safe to Use**
  IP65 protection and UV proof. Includes 6mADC leakage detection and charging temperature monitoring.
- **Plug & Play**
  Simply connect to a power source to start using.
- **Smart Design**
  Integrated PV, ESS & charger solution.
- **Part of the Range**
  Fully compatible with the iSolar Cloud App & Sungrow Hybrid Residential Inverters.
- **2 Models Available**
  7kW S/P Residential EV Charger (AC007)
  11kW T/P Residential EV Charger (AC011).

AC Charger Column

Key Features

- **User Friendly**
  Optional AC Charger Column for pole mounting.
- **Superior Quality**
  Durable, featuring corrosion-resistant outer surface.
- **Quick to Install**
  Vertical orientation saves time on installation.
- **Flexible**
  Compatible with 7kW and 11kW Sungrow EV Chargers.

5
YEAR
WARRANTY

Accessories

Inverter Accessories

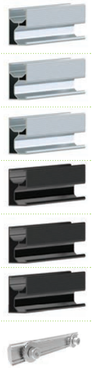
1 Phase Meter S100	
3 Phase Meter DTSU666 5 (80A), Direct Measuring	
3 Phase Meter DTSD1352-C/1 (6A) Indirect Measuring	
WiNet Communication Dongle	
COM100E	

X Rack for SG33/40/50CX	
X Rack for SGCX-P2	
X Rack for SG110CX	
X Plate for SG110CX	
X Plate for SG125CX-P2	

Brackets & Mounting

Rails & Brackets

- ATC-SR Rail 4.75M (ATC-SR-475-RAIL)
- ATC-SR Rail 3.6M (ATC-SR-360-RAIL)
- ATC-SR Rail 2.45M (ATC-SR-245-RAIL)
- Black ATC-SR Rail 4.75M (ATC-SR-B-475-RAIL)
- Black ATC-SR Rail 3.6M (ATC-SR-B-360-RAIL)
- Black ATC-SR Rail 2.45M (ATC-SR-B-245-RAIL)
- Rail Splice Kit (ATC-DR-SP-SP)



Clamps

- Inter Clamp Kit 30-32mm (ATC-IC-F30-CL)
- End Clamp Kit 30mm (ATC-EC-F30-EC)
- Black Inter Clamp Kit 30-32mm (ATC-IC-F30-B-CL)
- Black End Clamp Kit 30mm (ATC-EC-F30-B-EC)

Clamp *continued*

- GS Universal modules clamp kit 30-46mm (ATC-AC-UCL)
- Black GS Universal modules clamp kit 30-46mm (ATC-AC-HB-UCL)

Roof Hooks

- Stainless Steel Hook Kit for Tile Roofs for Fixed Horizontal rails (ATC-IK-01-HOR-HOOK)
- Stainless Steel Hook Kit for Slate Roofs for Fixed Horizontal rails (ATC-IK-02-HOR-HOOK)

Trapezoidal Roof Hooks

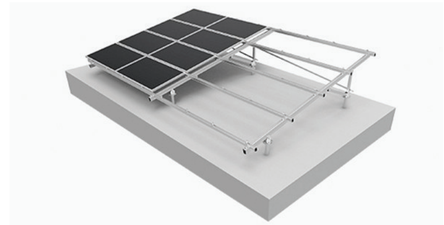
- U type mini rail with Self-tapping Screws and Rubber Pad (ATC-IK-UR-01-FL-HOOK)
- 450mm flat bottom rail with screws and rubber pads (ATC-IF-FR-450-FB)

Accessories

- 80mm Wood Screw Stainless Steel 410 St6.3x60 With Pad (ATC-FS-W680-SCR)
- Ground Clip #1 (ATC-G-GC-CLIP)
- Ground Lug (ATC-G-GL-LUG)
- Nylon 66, Silver Gray End Cap for SR Rail (ATC-SR-SG)
- Nylon 66,Black End Cap for SR Rail (ATC-SR-SG-B)
- S/S Cable Clips (2 wires) (ATC-SSCC-05-EC)

Ground Mount Systems

- 2x4 Panel Ballasted System (ATC-PAN-BALL-2-4)
- 2x4 Panel Concrete Ground Mount System (ATC-PAN-CON-GRMOUNT)



25 YEAR WARRANTY

Brackets & Mounting Rails & Brackets

Clamps

- Rapid Pro Center Clamp (131020-001)
- Rapid Pro Center Clamp Black (131020-901)
- Rapid Pro End Clamp (131020-000)
- Rapid Pro End Clamp Black (131020-900)

Grounding and Lighting Plate

- Grounding and Lightning Protection (135003-022)

Mounting Clips

- Mounting Clips 1.0-3.0mm Upper Guide (149023-001)

Rail Connector and End Caps

- Pro Internal Connector (129200-000)
- Plastic End Cap Pro Grey (129200-010)
- Plastic End Cap Pro Black (129200-910)

SCHLETTER

Rails

- Module Bearing Rail Pro35 3550mm (120020-03550)
- Module Bearing Rail Pro35 4750mm (120020-04750)

Roof Hooks

- RapidA 45 Pro Max (101020-120)

Slate Roof Hooks

- Rapid2+ Pro Slate125 Roof Hooks (109019-024)
- Shingle for Roof Hook Rapid 2+ Pro Slate125 (109017-010)

Trapezoidal Roofs

- Singlefix Pro (113009-003) – 2pc required and 4 screws
- Pro35 450mm Module Support Profile (120020-00450)
- Drill Screw 6x25 Self Tapping Seal A2 (943000-360)

Trapezoidal Roofs

- Clamp Fit Pro (130004-300)
- Drill Screw 6x25 Self Tapping Seal A2 (943000-360)

Accessories

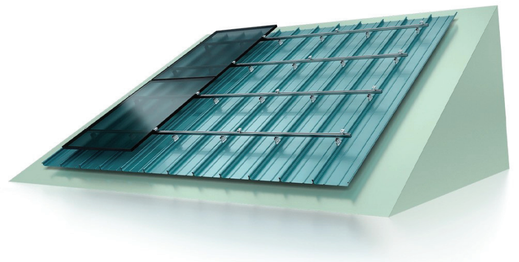
- Drill Screw 6x25 Self Tapping Seal A2 (943000-360)
- Wood Screw Stainless Steel 8x100 (943208-100)
- Wood Screw Galvanised 8x100 (942208-100)
- Spacer Plate Roof Hook 2.5/5mm (973000-075)

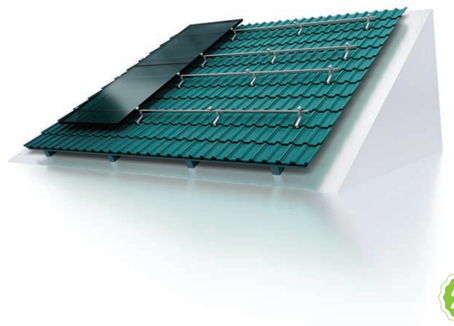
BLACK & VEATCH

International Electrotechnical Commission

Deutsches Institut für Bautechnik DIBt

SCHLETTER





25 YEAR WARRANTY

Optimisation & Monitoring

TS4-A-O

Key Features

Improves production, safety and intelligence in new designs and existing systems.

- **Easy to Install**
  Snap to a standard PV module frame or mount to racking.
- **Intelligent Optimisation**
  Optimises only when needed.
- **Smart Management**
  Full visibility into module and system level production.
- **Adaptable**
  Fully compatible with thousands of different inverter models.

CCA-Kit

Key Features

The Cloud Connect Advanced (CCA) is a compact, powerful data logging and communications gateway that powers the monitoring and safety capabilities of Tigo TS4 module level power electronics (MPLE).

- **Smart Functionality**
  Enables module-level monitoring through the Tigo cloud platform.
- **Full Visibility**
  Collects data from up to 900 TS4s via up to 7 TAPs.
- **Fully Connected**
  Connects to wired and wireless networks.
- **Live Monitoring**
  Includes a multifunction LED status indicator.
- **Comprehensive Insights** Reads data from wide range of 3rd party devices including Modbus-equipped inverters, charge controllers, weather stations, and revenue grade meters.

TAPs

Key Features

Works in conjunction with the CCA to enable compliance with NEC 2017, 2020 and 2023 690.12 rapid shutdown requirements.

- **Smart Functionality**
  Wireless communication with Tigo TS4 devices & module-level monitoring through the Tigo cloud platform.
- **Seamless Connection**
  Connects to Tigo Cloud Connect Advanced (CCA) via RS485 cable.
- **Easy to Install**
  Simply install on the module frame, no tools needed.
- **Quick Start Up**
  Use the Tigo EI App on a mobile device for quick and easy set up.
- **Wide Network**
  Connects up to 300 TS4 units.

25 YEAR WARRANTY

Notes

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