7ENERGI
INDONESIA

SEVEN ENERGI INDONESIA

CATALOG 2022

Bringing Harmony of Life by Green and Environtment Friendly Energy

PT. SEVEN ENERGI SOLUSI

Adalah perusahaan swasta nasional yang bergerak
di bidang Engineering, Procurement, Construction (EPC)
serta Supply Repair and Manufacturing (SRM) yang mementingkan
Professionally, Quality, Safety, Time Delivery, Cost Effective and
Customer satisfactions.

Realization of Business Philosophy

- Concerning of Customer Satisfaction
- Concerning of Social Responsibility
- Perspective of Environment Responsibility
- Perspective of protecting Earth

Achieve the business Creed of
"Quality and Integrity" in all Activities

PROJECTS & SERVICES

SOLAR SYSTEM

A Photovoltaic (PV) or Solar System that convert Sunlight to Electricity Directly, without any pollution or noise.

ON-GRID CONNECTED SYSTEM

A-grid-tied system connects directly to the existing power grid, create and supply extra power in the system.

OFF-GRID CONNECTED SYSTEM

A-grid-tied system connects to existing power grid and battery create and supply power for day and night. Best for remote area.

UNINTERRUPTABLE GRID-CONNECTED SYSTEM

A-grid-tied system with back-up, we can draw power from the Grid when needed.

525 - 545 W

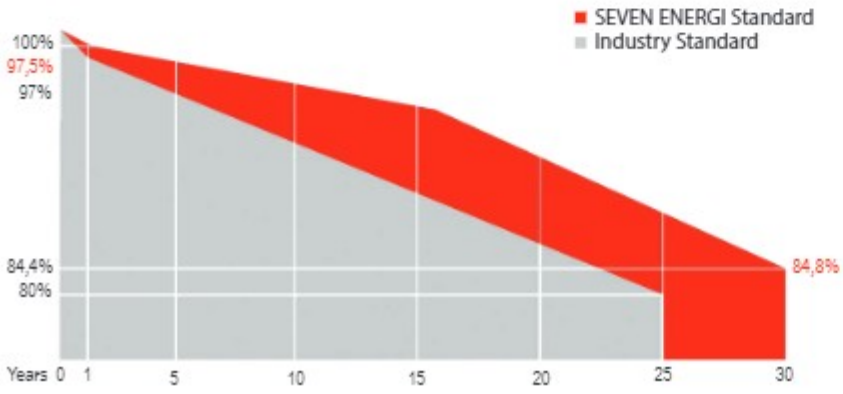
Mono BIFACIAL DG

M10/182mm Cell. 144 Half-Cell Layout

The breakthrough innovation of M10 (182mm) solar cell with the gallium-doped technology empowers the SEVEN ENERGI Series 5 BIFACIAL Solar modules with the highest power generation and the lowest LCOE, reducing the LID defect, the hot spot risk and the shading effects and increasing significantly the power output by absorbing the diffused light on the rear side. The double-glass framed construction enchances the long-term durability and performance of the module in all conditions.

- Bifacial Cell Module Technologies
- Gallium-doped Technology
- Half Cut Cell Technology
- Anti-PID Low LID Performance
- Less Hot Spot Shading Effects
- Enduring High Reliability & Performance

Linear performance Warranty



Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard quality

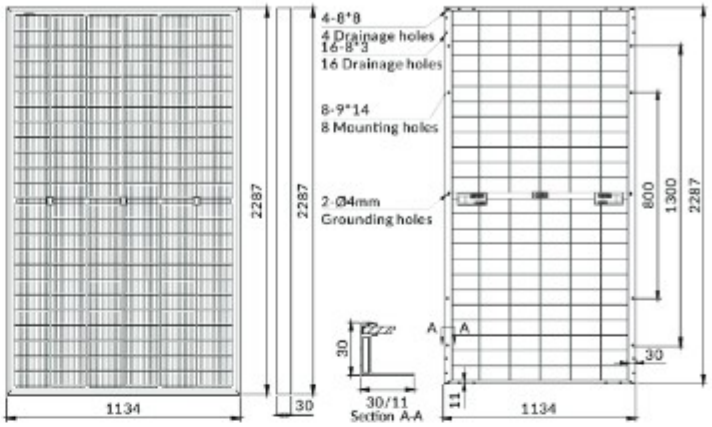
Bringing Harmony of Life by Green and Environment Friendly Energy

SEVEN ENERGI MONO | 525 - 545W BIFACIAL DG FRAME

Quality Maker

MECHANICAL CHARACTERISTICS

Solar Cells	Mono
No. of Cells	144 (6x24)
Dimensions	2287 x 1134 x 30mm
Weight	31.5kgs
Front Glass	2.0mm coated semi-tempered glass
Back Glass	2.0mm semi-tempered glass
Junction Box	Ip68 rated (3 by pass diodes)
Output Cables	4.0mm²
	300mm (+) / 400mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



ELECTRICAL PARAMETERS

POWER CLASS	LNVU-525MD	LNVU-530MD	LNVU-535MD	LNVU-540MD	LNVU-545MD
	STC	STC	STC	STC	STC
Maximum power (Pmax)	525W	530W	535W	540W	545W
Open Circuit Voltage (Voc)	49.59V	49.74V	49.89V	50.04V	50.18V
Short Circuit Current (Isc)	13.55A	13.62A	13.69A	13.76A	13.83A
Voltage at Maximum power (Vmpp)	41.47V	41.63V	41.80V	41.96V	42.12V
Current Maximum Power (Impp)	12.66A	12.73A	12.80A	12.87A	12.94A
MODULE EFFICIENCY (%)	20.24%	20.44%	20.63%	20.82%	21.01%

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G

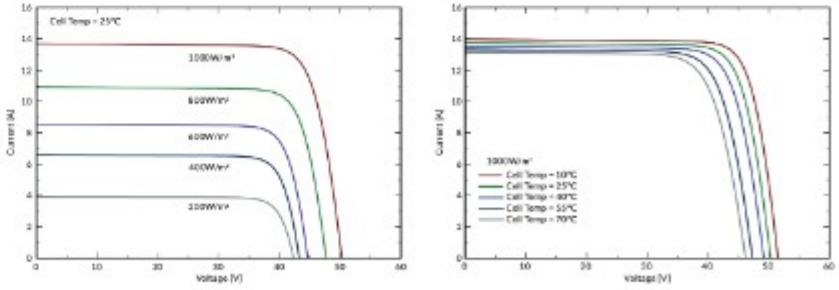
BIFACIAL OUTPUT-REARSIDE POWER GAIN

5%	Maximum power (Pmax)	551W	557W	562W	567W	572W
	Module Efficiency STC (%)	21.26%	21.46%	21.66%	21.86%	22.07%
15%	Maximum power (Pmax)	604W	610W	615W	621W	627W
	Module Efficiency STC (%)	23.28%	23.50%	23.72%	23.94%	24.17%
25%	Maximum Power (Pmax)	656W	663W	669W	675W	681W
	Module Efficiency STC (%)	25.30%	25.55%	25.79%	26.03%	26.27%

PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	5	20
Pieces per container	155	620

I-V CURVE LNVU-540M/I-V



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to + 85°C
Maximun System Voltage	1500 DC (IEC)
Maximun Series Fuse Rating	25A
Power Tolerance	0/+5W

TEMPERATURE CHARACTERISTICS

Nominal Operating Temperature (Noct)	45±2°C
Temperature Coefficient of Pmax	-0.36%°C
Temperature Coefficient of Voc	-0.28%°C
Temperature Coefficient of Isc	+0.05%°C

530 - 550 W

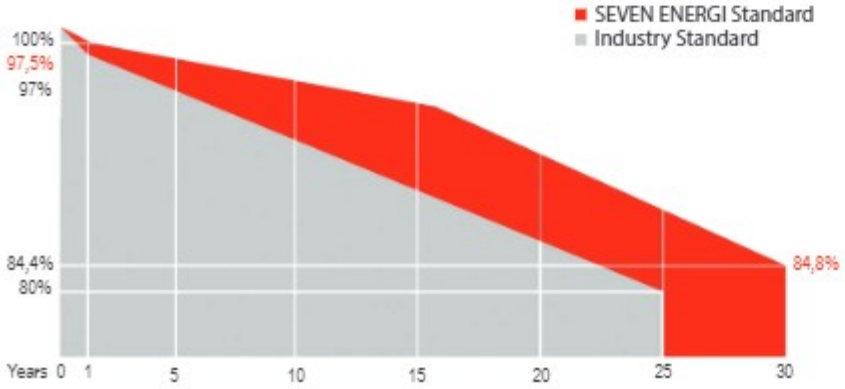
MONO

M10/182mm Cell 144 Half-Cell Layout

SEVEN ENERGI Series 5 solar modules stand out with the breakhrough innovation of M10 size (182mm) solar cells for the highest power generation and the lowest LCOE, which makes Series 5 the optimal choice for large solar solar power plants. The gallium-doped wafer technology empowers significantly the performance agains LID and the latest integrated segmented ribbon technology increases the power output and enchances the module reliability for long-term use.

- Gallium-doped Technology
- Half Cut Cell Technology
- MBB Technology
- Anti-PID
  Low LID
  Performance
- Less Hot Spot
  Shading Effects
- Lower BOS & LCOE

Linear performance Warranty



Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard quality

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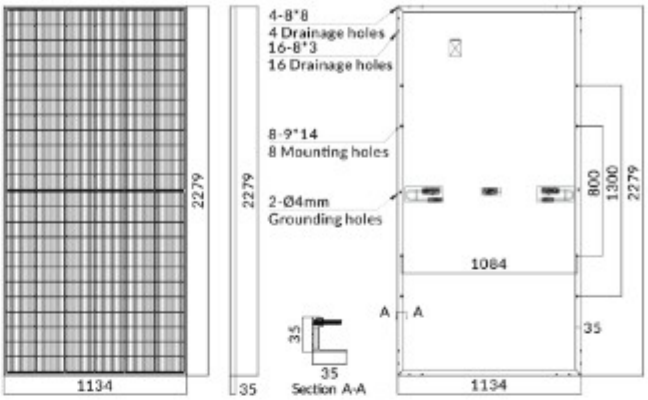
SEVEN ENERGI MONO | 530 - 550W

Quality Maker

MECHANICAL CHARACTERISTICS

Solar Cells	Mono
No. of Cells	144 (6x24)
Dimensions	2279 x 1134 x 35mm
Weight	27.5kgs
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
Output Cables	4.0mm²
	300mm (+) / 400mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



ELECTRICAL PARAMETERS

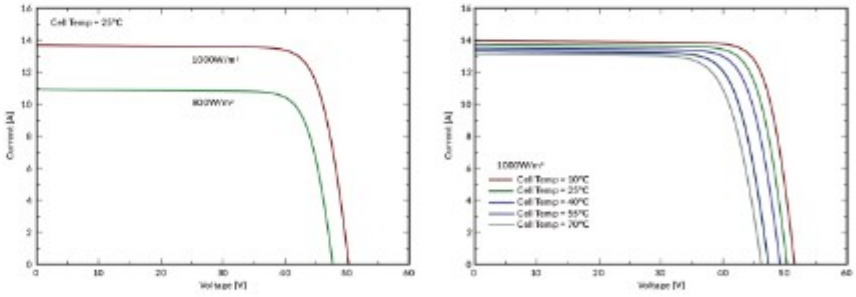
POWER CLASS	LNVU-530M		LNVU-535M		LNVU-540M		LNVU-545M		LNVU-550M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (Pmax)	530W	401W	535W	405W	540W	409W	545W	413W	550W	417W
Open Circuit Voltage (Voc)	49.74V	47.16V	49.89V	47.40V	50.04V	47.63V	50.18V	47.87V	50.32V	48.10V
Short Circuit Current (Isc)	13.62A	10.91A	13.69A	10.95A	13.76A	10.99A	13.83A	11.03A	13.90A	11.07A
Voltage at Maximum power (Vmpp)	41.63V	38.97V	41.80V	39.21V	41.96V	39.44V	42.12V	39.67V	42.28V	39.90V
Current Maximum Power (Impp)	12.73A	10.29A	12.80A	10.33A	12.87A	10.37A	12.94A	10.41A	13.01A	10.45A
MODULE EFFICIENCY (%)	20.51%		20.70%		20.89%		21.09%		21.28%	

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G NOCT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	5	20
Pieces per container	155	620

I-V CURVE LNVU-540M/I-V



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to + 85°C
Maximun System Voltage	1500 DC (IEC)
Maximun Series Fuse Rating	25A
Power Tolerance	0/+5W

TEMPERATURE CHARACTERISTICS

Nominal Operating Temperature (Noct)	45±2°C
Temperature Coefficient of Pmax	-0.36%°C
Temperature Coefficient of Voc	-0.28%°C
Temperature Coefficient of Isc	+0.05%°C

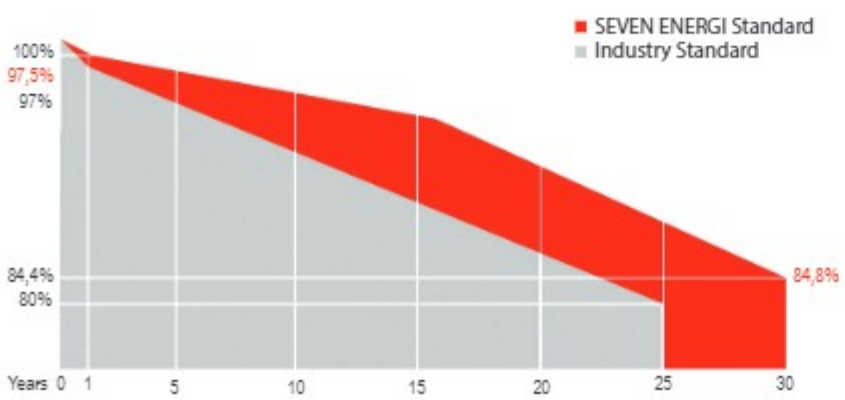
HT-MODULE 160 - 165W
Custom made

Anti-PID
Low LID
Performance

Less Hot Spot
Shading Effect

Transmittance
50-55%

Linear performance Warranty



Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard quality

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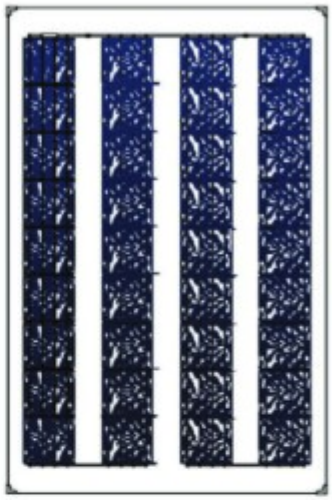
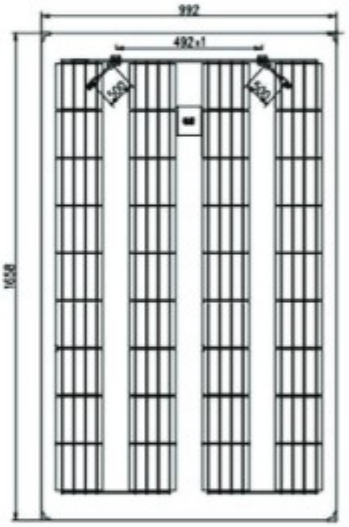
7ENERGI®

Quality Maker

MECHANICAL CHARACTERISTICS

Solar Cells		Poly
No. of Cells		36(4*9)
Dimensions		1658*992*6mm
Weight		24.0kgs
Front Glass		2.5 mm coated tempered glass
Back Glass		2.5 mm coated tempered glass
Junction Box		Ip68 rated (3 by pass diodes)
Output Cables		4.0mm²
		300mm (+) /300mm (-)
		Length can be customized
Connectors		Mc4 compatible
Mechanical load test		5400Pa





POWER CLASS	LNFT-160M	LNFT-165M
	STC	STC
Maximum power (Pmax)	160W	165W
Open Circuit Voltage (Voc)	22.83V	23.01V
Short Circuit Current (Isc)	9.08A	9.30A
Voltage at Maximum power (Vmpp)	18.12V	18.33V
Current Maximum Power (Impp)	8.83A	9.00A
MODULE EFFICIENCY (%)	9.73%	10.03%

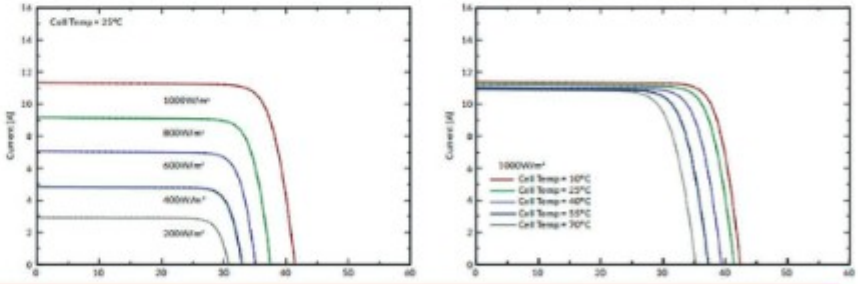
STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G

PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	33	33
Pallets per container	6	26
Pieces per container	198	858

7ENERGI® Solar
INDONESIA

I-V CURVE



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to + 85°C
Maximun System Voltage	1500 DC (IEC)
Maximun Series Fuse Rating	15A
Power Tolerance	0/+5W

TEMPERATURE CHARACTERISTICS

Nominal Operating Temperature (Noct)	45±2°C
Temperature Coefficient of Pmax	-0.36%°C
Temperature Coefficient of Voc	-0.28%°C
Temperature Coefficient of Isc	+0.05%°C

Note: Due to continuous technical innovation, R&D and improvement ,technical data above mentioned may be of modification accordingly. 7ENERGI SOLAR have the sole right to make such modification at anytime without further notice.

GOODWE
YOUR SOLAR ENGINE

ET Series

5-10kW I Three Phase HV Hybrid Inverter

The GoodWe ET series is a three-phase high voltage energy storage inverter that enables enhanced energy independence and maximizes self-consumption through an export limit feature and time of use shifts for reduced electricity bills. Covering a power range of 5kW to 10kW, the ET series allows up to 110% overloading to maximize power output and features Uninterruptible Power Supply (UPS) to inductive loads such as air conditioners or refrigerators. With an automatic switchover time of less than 10 milliseconds, the inverter can provide grid-tied savings when the grid is up and off-grid independence and security when it is down or compromised.

- 98.2% Maximum System Efficiency
- 8 ms UPS-level Switching
- 100% Unbalanced Load
- Battery Voltage 180-600V

ET Series

Technical Data	GW5K-ET	GW6.5K-ET	GW8K-ET	GW10K-ET
Battery Input Data				
Battery Type	Li-Ion	Li-Ion	Li-Ion	Li-Ion
Battery Voltage Range (V)	180–600	180–600	180–600	180–600
Max. Charging Current (A)	25	25	25	25
Max. Discharging Current (A)	25	25	25	25
Charging Strategy for Li-Ion Battery	Self-adaption to BMS	Self-adaption to BMS	Self-adaption to BMS	Self-adaption to BMS
PV String Input Data				
Max. DC Input Power (W)	6500	8450	9600	13000
Max. DC Input Voltage (V)*1	1000	1000	1000	1000
MPPT Range (V)*2	200–850	200–850	200–850	200–850
Start-up Voltage (V)	180	180	180	180
Min. Feed-in Voltage (V)	210	210	210	210
MPPT Range for Full Load (V)*3	240–850	310-850	380–850	460–850
Nominal DC Input Voltage (V)*4	620	620	620	620
Max. Input Current (A)	12.5 / 12.5	12.5 / 12.5	12.5 / 12.5	12.5 / 12.5
Max. Short Current (A)	15.2 / 15.2	15.2 / 15.2	15.2 / 15.2	15.2 / 15.2
Number of MPPTs	2	2	2	2
Number of Strings per MPPT	1 / 1	1 / 1	1 / 1	1 / 1
AC Output Data (On-grid)				
Nominal Apparent Power Output to Utility Grid (VA)	5000	6500	8000	10000
Max. Apparent Power Output to Utility Grid (VA)*5*6	5500	7150	8800	11000
Max. Apparent Power from Utility Grid (VA)	10000	13000	15000	15000
Nominal Output Voltage (V)	400 / 380, 3L / N / PE	400 / 380, 3L / N / PE	400 / 380, 3L / N / PE	400 / 380, 3L / N / PE
Nominal Ouput Freqency (Hz)	50 / 60	50 / 60	50 / 60	50 / 60
Max. AC Current Output to Utility Grid (A)	8.5	10.8	13.5	16.5
Max. AC Current from Utility Grid (A)	15.2	19.7	22.7	22.7
Output Power Factor	–1 (Adjustable from 0.8 leading to 0.8 lagging)			
Output THDi (@Nominal Output)	<3%	<3%	<3%	<3%
AC Output Data (Back-up; Optional)				
Max. Output Apparent Power (VA)	5000	6500	8000	10000
Peak Output Apparent Power (VA)*8	10000, 60sec	13000, 60sec	16000, 60sec	16500, 60sec
Max. Ouput Current (A)	8.5	10.8	13.5	16.5
Nominal Output Voltage (V)	400/380	400/380	400/380	400/380
Nominal Ouput Frequency (Hz)	50/60	50/60	50/60	50/60
Output THDv (@Linear Load)	<3%	<3%	<3%	<3%
Efficiency				
Max. Efficiency	98.0%	98.0%	98.2%	98.2%
Max. Battery to Load Efficiency	97.5%	97.5%	97.5%	97.5%
European Efficiency	97.2%	97.2%	97.5%	97.5%
Protection				
Anti-Islanding Protection	Integrated	Integrated	Integrated	Integrated
PV String Input Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated
Insulation Resistor Detection	Integrated	Integrated	Integrated	Integrated
Residual Current Monitoring Unit	Integrated	Integrated	Integrated	Integrated
Output Over Current Protection	Integrated	Integrated	Integrated	Integrated
Output Short Protection	Integrated	Integrated	Integrated	Integrated
Battery Input Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated
Output Over Voltage Protection	Integrated	Integrated	Integrated	Integrated
General Data				
Operating Temperature Range (°C)	-35–60	-35–60	-35–60	-35–60
Relative Humidity	0–95%	0–95%	0–95%	0–95%
Operating Altitude (m)	≤4000	≤4000	≤4000	≤4000
Cooling	Natural Convection	Natural Convection	Natural Convection	Natural Convection
Noise (dB)	<30	<30	<30	<30
User Interface	LED & APP	LED & APP	LED & APP	LED & APP
Communication with BMS*7	RS485; CAN	RS485; CAN	RS485; CAN	RS485; CAN
Communication with Meter	RS485	RS485	RS485	RS485
Communication with EMS	RS485 (Insulated)	RS485 (Insulated)	RS485 (Insulated)	RS485 (Insulated)
Communicaiton with Portal	Wi-Fi	Wi-Fi	Wi-Fi	Wi-Fi
Weight (Kg)	24	24	24	24
Size (Width × Height × Depth mm)	415 × 516 × 180	415 × 516 × 180	415 × 516 × 180	415 × 516 × 180
Mounting	Wall Bracket	Wall Bracket	Wall Bracket	Wall Bracket
Protection Degree	IP66	IP66	IP66	IP66
Standby Self-Consumption (W)*8	<15	<15	<15	<15
Topology	Battery Non-Isolation	Battery Non-Isolation	Battery Non-Isolation	Battery Non-Isolation

*1: For 1000V system, Maximum operating voltage is 950V. For Australia safety, there will be a warning if PV voltage > 600V.
*2: For Australia safety, MPPT range is 200–550V.
*3: For Australia safety, MPPT voltage upper limit is 550V.
*4: For Australia safety, nominal DC input voltage is 450V.
*5: According to the local grid regulation.
*6: Can be reached only if PV and battery power is enough.
*7: CAN communication is configured by default. If 485 communication is used, please replace the corresponding communication line.
*8: No Back-up Output.
*9: For Belgium Max. Output Apparent Power (VA): GW5K-ET is 5000; GW6.5K-ET is 6500; GW8K-ET is 8000; GW10K-ET is 10000.
*: Please visit GoodWe website for the latest certificates.

GOODWE
YOUR SOLAR ENGINE

HT Series | 1100Vdc

73-136kW I up to 12 MPPTs Three Phase

The new HT 1100Vdc Series (73-136 kW) is GoodWe's new string inverter for C&I and small utility projects. The HT series offers up to 12 MPPTs, and is compatible with bifacial modules, with a higher threshold of DC current (Max. 15A per string). It includes PLC communication and internal humidity detection. The HT series seamlessly incorporates different sets of technical strengths designed to achieve higher savings in the installation, enhance productivity and diversify available monitoring options, taking safety to the maximum possible level in accordance with the strictest industry standards. This inverter comes with an optional AC switch for reduced overall costs and reduced installation time. Configuration can be easily done via Bluetooth, and diagnosis and firmware upgrading can be operated remotely. This outstanding set of features was conceived to ensure the lowest levelized cost of electricity (LCOE).

- Compatible with Bifacial Module
- Power line communication
- Easy and quick configuration via bluetooth
- I-V curve diagnosis
- Internal humidity monitoring

HT Series

Technical Data	GW73KLV-HT	GW75K-HT	GW80K-HT	GW100K-HT	GW110K-HT	GW120K-HT	GW136K-HTH
Input							
Max. DC Input Power (kW)	112.5	112.5	120	150	165	180	205
Max. DC Input Voltage (V)	800	1100	1100	1100	1100	1100	1100
MPPT Operating Voltage Range (V)	180–650	180–1000	180–1000	180–1000	180–1000	180–1000	180–1000
Start-up Voltage (V)	200	200	200	200	200	200	200
MPPT Range for Full Load	200–650	500–850	500–850	500–850	500–850	500–850	500–850
Nominal Input Voltage (V)	370	600	600	600	600	600	750
Max. Backfeed Current to The Array (A)	0	0	0	0	0	0	0
Max. Input Current per MPPT (A)	30	30	30	30	30	30	30
Max. Short Circuit Current per MPPT (A)	45	45	45	45	45	45	45
Number of MPPTs	12	10	10	10	12	12	12
Number of Strings per MPPT	2	2	2	2	2	2	2
Output							
Nominal Output Power (kW)	73	75	80	100*1	110	120	136
Max. AC Active Power (kW)	73@220V; 69@208V; 75@230V	75	88	110	121	132	150
Rated Apparent Power (KVA)	73	75	80	100*1	110	120	136
Max. AC Apparent Power (kVA)	75	75	88	110	121	132	150
Nominal Output Voltage (V)	220V, 3L / N / PE or 3L / PE	380V / 400V, 3L / N / PE or 3L / PE			400V, 3L / N / PE or 3L / PE		500V, 3L / PE
Nominal AC Grid Frequency (Hz)	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
Max. Output Current (A)	192	125.3	134	167	175.5	191.3	173.2
Max. Output Fault Current (peak and duration) (A)	364@5μs	364@5μs	364@5μs	364@5μs	364@5μs	364@5μs	364@5μs
Inrush Current (peak and duration) (A)	120@1μs	120@1μs	120@1μs	120@1μs	120@1μs	120@1μs	120@1μs
Output Power Factor	–1 (Adjustable from 0.8 leading to 0.8 lagging)						
Max. Total Harmonic Distortion	<3%	<3%	<3%	<3%	<3%	<3%	<3%
Efficiency							
Max. Efficiency	98.4%	98.6%	98.6%	98.6%	98.6%	98.6%	99.0%
European Efficiency	98.1%	98.3%	98.3%	98.3%	98.3%	98.3%	98.5%
Protection							
PV String Current Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Internal Humidity Detection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC Insulation Resistance Detection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Residual Current Monitoring Unit	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Anti-islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC Surge Arrester	Type II (Type I optional)						
AC Surge Arrester	Type II (Type I optional)						
AC Overcurrent Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Short Circuit Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Overvoltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC Arc Fault Circuit Interrupter	Optional	Optional	Optional	Optional	Optional	Optional	Optional
PID Recovery	Optional	Optional	Optional	Optional	Optional	Optional	Optional
General Data							
Operating Temperature Range (°C)	-30 – 60						
Relative Humidity	0–100%						
Max. Operating Altitude (m)	5000 (>4000 derating)						
Cooling Method	Smart Fan Cooling						
Display	LED, LCD (Optional), Bluetooth+APP						
Communication	RS485 / PLC / WiFi						
Weight (Kg)	98.5	93.5	93.5	93.5	98.5	98.5	98.5
Size (Width x Height x Depth mm)	1008 x 679 x 343						
DC Connector	MC4 (Max. 6 mm²)						
AC Connector	OT / DT terminal (Max. 300 mm²)						
Ingress Protection Rating	IP66						
Night Self Consumption (W)	<2						
Overvoltage Category	PVII / ACIII						
Protective class	I						
Noise Emission (dB)	<70						
Topology	Transformerless						

*1: For Australia Nominal Output Power and Rated Apparent Power: 99.99KW / 99.99KVA.
*: Please visit GoodWe website for the latest certificates.

GOODWE
YOUR SOLAR ENGINE

Lynx Home S Series

(North America Excluded) High Voltage Battery

GoodWe's Lynx Home S Series is a high voltage battery that offers multiple energy storage options through an expandable modular design (3-8 modules combined), which further simplifies installation and O&M with multiple smart functions. The safest battery cell technology (LFP) comes with a high charging rate, ensuring superior performance and supplying robust power for your life.

- Charge Your Battery within ONE HOUR
- Remote Diagnosis & Upgrade
- Auto Under-voltage Reboot
- IP65 Protection Level

Lynx Home S Series

Technical Data	LX S7.5-H	LX S10-H	LX S13-H	LX S15-H	LX S18-H	LX S20-H
Rated Energy*	7.68 kWh	10.24 kWh	12.80 kWh	15.36 kWh	17.92 kWh	20.48 kWh
Usable Energy*	6.91 kWh	9.22 kWh	11.52 kWh	13.83 kWh	16.13 kWh	18.43 kWh
Battery Module	LX S2.5-H: 51.2V 50Ah 2.56kWh 37kg					
Number of Modules	3	4	5	6	7	8
Cell Type	LFP (LiFePO4)					
Cell Configuration	48S1P	64S1P	80S1P	96S1P	112S1P	128S1P
Rated Voltage	153.6 V	204.8 V	256 V	307.2 V	358.4 V	409.6 V
Operating Voltage	144–168 V	192–224 V	240–280 V	288–336 V	336–392 V	384–448 V
Weight	126 Kg	163 Kg	200 Kg	237 Kg	274 Kg	311 Kg
Dimensions (W × D × H)	610 × 226 × 1170 mm	610 × 226 × 1445 mm	1220 × 226 × 1170 mm	1220 × 226 × 1170 mm	1220 × 226 × 1445 mm	1220 × 226 × 1445 mm
Depth of Discharge (DOD)	90%	90%	90%	90%	90%	90%
Max Charge/Discharge Current*	50A (1C)	50A (1C)	50A (1C)	50A (1C)	50A (1C)	50A (1C)
Rated Power*	7.68 kW	10.24 kW	12.80 kW	15.36 kW	17.92 kW	20.48 kW
Communication	CAN	CAN	CAN	CAN	CAN	CAN
Operating Temperature	Charge: 0–50°C/Discharge: -20–50°C					
Humidity	≤90%	≤90%	≤90%	≤90%	≤90%	≤90%
Operating Altitude	≤2000m	≤2000m	≤2000m	≤2000m	≤2000m	≤2000m
Protection Degree	IP65 (Outdoor / Indoor)					
Installation Location	Wall-Mounted / Ground-Mounted					
Certification	CE, UN38.3	CE, UN38.3	CE, UN38.3	CE, UN38.3	CE, UN38.3	CE, UN38.3
Warranty	10 Years (Performance Warranty)					

Rated Energy*: Test conditions, 100% DOD, 0.5C charge & discharge at +25±3°C.
Usable Energy*: Test conditions, 90% DOD, 0.5C charge & discharge at +25±3°C.
Max Charge/Discharge Current*/Rated Power*: Max Charge/Discharge and power derating will occur related to Tempertature and SOC.

GOODWE
YOUR SOLAR ENGINE

MT Series

50-80kW I 4 MPPTs I Three Phase

The seoond generation of GoodWe MT series inverter is suited for medium and large soale oommeroial rooftops and ground-mounted solar PV systems where maximum versatility and profitability are important. With its oompaot design and power boost funotion, the Goodwe MT series of the new generation oan provide a 150% oontinuous maximum AC output power overload, offering a faster return on investment. The start-up voltage is 200V, muoh lower than other produots, whioh makes the inverter start up earlier, therefore generating more power over time.

- Up to 150% DC input oversizing
- String level monitoring
- Up to 115% AC output overloading
- Full-load running at 50°C
- Up to 99% Max. Efficiency
- Power line communication

MT Series

Technical Data	GW50KN -MT	GW60KN -MT	GW50KBF -MT	GW60KBF -MT	GW70KMV -MT	GW70KHV -MT	GW80KHV -MT	GW75K -MT	GW80K -MT	GW75KBF -MT	GW80KBF -MT
DC Input Data											
Max. PV Power (W)	65000	80000	65000	80000	95000	91000	120000	112500	120000	97500	104000
Max. DC Input Voltage (V)	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
MPPT Range (V)	200–1000	200–1000	200–1000	200–1000	200–1000	200–1000	200–1000	200–1000	200–1000	200–1000	200–1000
Starting Voltage (V)	200	200	200	200	200	200	200	200	200	200	200
Min. Feed-in Voltage (V)	210	210	210	210	/	210	210	210	210	210	210
Nominal DC Input Voltage (V)	620	620	620	620	720	750	800	600	620	750	800
Max. Input Current per MPPT (A)	33 / 33 / 22 / 22	33	30	44	39	33	44	44	44	44	39
Max. Short Circuit Current per MPPT (A)	41.5 / 41.5 / 27.5 / 27.5	41.5	37.5	55	55	41.5	55	55	55	55	54.8
Number of MPPTs	4	4	4	4	4	4	4	4	4	4	4
Number of Strings per MPPT	3 / 3 / 2 / 2	3	2	3	3	3	3	4 (Standard) 3 (Optional, Support bifacial module)		3	3
AC Output Data											
Nominal Output Power (W)	50000	60000	50000	60000	70000	70000	80000	75000	80000	75000	80000
Max. AC Active Power (cosφ=1)	55000, 57500 @415Vac*1	66000, 69000 @415Vac*1	55000, 57500 @415Vac*1	66000, 69000 @415Vac*1	77000	77000*1	88000*1	75000	88000*1	82500*1	88000*1
Max. Output Apparent Power (VA)	55000, 57500 @415Vac*2	66000, 69000 @415Vac*2	55000, 57500 @415Vac*2	66000, 69000 @415Vac*2	77000	77000*2	88000*2	75000	88000*2	82500*2	88000*2
Nominal Output Voltage (V)	400, default 3L+N+PE, 3L+PE optional in settings				480, 3L / PE	500, 3L / PE	540, 3L / PE	380 / 415	400, default 3L +N+PE, 3L+PE optional in settings	500, 3L / PE	540, 3L / PE
Nominal Ouput Frequency (Hz)	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
Max. Output Current (A)	80	96	80	96	92.6	89	94.1	133	133	95.3	94.1
Output Power Factor	–1 (Adjustable from 0.8 leading to 0.8 lagging)										
Output THDi (@Nominal Output)	<3%	<3%	<3%	<3%	<3%	<3%	<3%	<3%	<3%	<3%	<3%
Efficiency											
Max. Efficiency	98.7%	98.8%	98.8%	98.8%	99.0%	99.0%	99.0%	98.8%	98.8%	99.0%	99.0%
European Efficiency	98.3%	98.5%	98.3%	98.3%	98.4%	98.4%	98.4%	98.3%	98.3%	98.4%	98.4%
Protection											
PV String Current Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Anti-Islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Input Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Insulation monitoring	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC fuse	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Anti-PID Function for Module	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
DC Surge Arrester	Integrated (Type II)										
AC Surge Arrester	Integrated (Type II)										
Residual Current Monitoring Unit	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Over Current Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Short Circuit Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Over Voltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Humidity Monitoring	-	-	-	-	-	NA	NA	Integrated	Integrated	NA	NA
General Data											
Ambient Temperature Range (°C)	-30–60	-30–60	-30–60	-30–60	-30–60	-30–60	-30–60	-30–60	-30–60	-30–60	-30–60
Relative Humidity	0–100%	0–100%	0–100%	0–100%	0–100%	0–100%	0–100%	0–100%	0–100%	0–100%	0–100%
Operating Altitude (m)	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000
Cooling	Fan Cooling										
Display	LCD or WiFi+APP			LED, WiFi+APP		LCD or WiFi+APP		LED, WiFi+APP			
Communication	RS485 or WiFi or PLC				RS485 or WiFi	RS485 or WiFi or PLC		RS485 & WiFi, PLC (Optional)		RS485 or WiFi or PLC	
Weight (Kg)	59	64	60	65	65	60	65	70	70	65	65
Dimension (Width × Height × Depth mm)	596 × 798 × 264			596 × 798 × 267		596 × 798 × 264		596 × 798 × 267			
Protection Degree	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65
Night Self Consumption (W)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Topology	Transformerless										

*1: For Belgium Max. Output Power (W): GW50KN-MT is 50000; GW60KN-MT is 60000; GW50KBF-MT is 50000; GW60KBF-MT is 60000; GW70KHV-MT is 70000; GW80KHV-MT is 80000; GW80K-MT is 80000; GW75KBF-MT is 75000; GW80KBF-MT is 80000.

*2: For Belgium Max. Output Apparent Power (VA): GW50KN-MT is 50000; GW60KN-MT is 60000; GW50KBF-MT is 50000; GW60KBF-MT is 60000; GW70KHV-MT is 70000; GW80KHV-MT is 80000; GW80K-MT is 80000; GW75KBF-MT is 75000; GW80KBF-MT is 80000.

*: Please visit GoodWe website for the latest certificates.

NS Series

Single-MPPT, Single-Phase

Technical Data	GW1000-NS	GW1500-NS	GW2000-NS	GW2500-NS	GW3000-NS
PV String Input Data					
Max. DC Input Power (W)	1300	1950	2600	3250	3900
Max. DC Input Voltage (V)	500	500	500	500	500
MPPT Range (V)	80~450	80~450	80~450	80~450	80~450
Start-up Voltage (V)	80	80	80	80	80
MPPT Range for Full Load (V)	120~450	180-450	230-450	180-450	215-450
Nominal DC Input Voltage (V)	360	360	360	360	360
Max. Input Current (A)	10	10	10	18	18
Max. Short Current (A)	12.5	12.5	12.5	22.5	22.5
No. of MPP Trackers	1	1	1	1	1
No. of Input Strings per Tracker	1	1	1	1	1
AC Output Data					
Nominal Output Power (W)	1000*[1]	1500*[1]	2000*[1]	2500*[1]	3000*[1]
Max. Output Apparent Power (VA)	1000	1500	2000	2500	3000
Nominal Output Voltage (V)	220/230	220/230	220/230	220/230	220/230
Nominal Output Frequency (Hz)	50/60	50/60	50/60	50/60	50/60
Max. Output Current (A)	5	7.5	10	12.5	13.5
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)				
Output THDi (@Nominal Output)	<3%	<3%	<3%	<3%	<3%
Efficiency					
Max. Efficiency	96.5%	97.0%	97.0%	97.5%	97.5%
Euro Efficiency	96.0%	96.0%	96.0%	97.0%	97.0%
Protection					
Anti-islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Input Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Insulation Resistor Detection	Integrated	Integrated	Integrated	Integrated	Integrated
Residual Current Monitoring Unit	Integrated	Integrated	Integrated	Integrated	Integrated
Output Over Current Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Output Short Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Output Over Voltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated
General Data					
Operating Temperature Range (°C)	-25~60	-25~60	-25~60	-25~60	-25~60
Relative Humidity	0~100%	0~100%	0~100%	0~100%	0~100%
Operating Altitude (m)	≤4000	≤4000	≤4000	≤4000	≤4000
Cooling	Natural Convection	Natural Convection	Natural Convection	Natural Convection	Natural Convection
Noise (dB)	<25	<25	<25	<25	<25
User Interface	LCD & LED	LCD & LED	LCD & LED	LCD & LED	LCD & LED
Communication	RS485 or WiFi	RS485 or WiFi	RS485 or WiFi	RS485 or WiFi	RS485 or WiFi
Weight (kg)	7.5	7.5	7.5	7.5	7.5
Size (Width*Height*Depth mm)	344*274.5*128	344*274.5*128	344*274.5*128	344*274.5*128	344*274.5*128
Protection Degree	IP65	IP65	IP65	IP65	IP65
Night Self Consumption (W)	<1	<1	<1	<1	<1
Topology	Transformerless	Transformerless	Transformerless	Transformerless	Transformerless
Certifications & Standards					
Grid Regulation	VDE0126-1-1, AS4777.2, EN50438(PL), G83, ERDF-NOI-RES_13E, IEC61727, IEC62116, CEI 0-21, RD 1699:2011 , UNE 206006 IN: 2011 , UNE 206007-1 IN: 2013				
Safety Regulation	IEC62109-1&2				
EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-4-16, EN 61000-4-18, EN 61000-4-29				

*[1]: For CEI 0-21 Nominal Output Power GW1000-NS is 900, GW1500-NS is 1350, GW2000-NS is 1800, GW2500-NS is 2250, GW3000-NS is 2700.

Color Options

GOODWE
YOUR SOLAR ENGINE

SDT G2 Series

4-15kW I 2 MPPTs I Three Phase

The GoodWe SDT Series is one of the best options available on the residential & commercial segments thanks to its technical strengths that make it one of the most efficient in the market. For enhanced safety, this inverter is able to incorporate AFCI. Its high efficiency (98.3%) and its enhanced oversizing & overloading capabilities represent an outstanding improvement in the industry. Moreover, its plug-in AC connector make operation & maintenance easier.

- Up to 98.3% Max. Efficiency
- 150% DC input oversizing
- 110% AC output overloading
- Arc-fault circuit interrupter
- Easy for installation and O&M

SDT G2 Series

Technical Data	GW4K-DT	GW5K-DT	GW6K-DT	GW8K-DT	GW10KT-DT	GW12KT-DT	GW15KT-DT
PV String Input Data							
Max. DC Input Power (W)	6000	7500	9000	12000	15000	18000	22500
Max. DC Input Voltage (V)	1000	1000	1000	1000	1000	1000	1000
MPPT Operating Voltage Range (V)	180–850	180–850	180–850	180–850	180–850	180–850	180–850
Start-up Voltage (V)	160	160	160	160	160	160	160
Nominal DC Input Voltage (V)	620	620	620	620	620	620	620
Max. Input Current per MPPT (A)	12.5 / 12.5	12.5 / 12.5	12.5 / 12.5	12.5 / 12.5	12.5 / 12.5	12.5 / 25	12.5 / 25
Max. Short Circuit Current per MPPT (A)	15.6 / 15.6	15.6 / 15.6	15.6 / 15.6	15.6 / 15.6	15.6 / 15.6	15.6 / 31.2	15.6 / 31.2
Number of MPPTs	2	2	2	2	2	2	2
Number of Strings per MPPT	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 2	1 / 2
AC Output Data							
Nominal Output Power (W)	4000	5000	6000	8000	10000	12000	15000
Nominal Output Apparent Power(VA)	4000	5000	6000	8000	10000	12000	15000
Max. Output Apparent Power (VA)	4400*[1]	5500*[1]	6600*[1]	8800*[1]	11000*[1]	14000*[1]	16500*[1]
Nominal Output Voltage (V)	400, 3L / N / PE						
Nominal AC Grid Frequency (Hz)	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
Max. Output Current (A)	6.4	8	9.6	12.8	16	20.3	24
Nominal Output Current (A)	5.8	7.2	8.7	11.6	14.5	17.3	21.7
Output Power Factor	–1 (Adjustable from 0.8 leading to 0.8 lagging)						
Max. Total Harmonic Distortion	<3%	<3%	<3%	<3%	<3%	<3%	<3%
Efficiency							
Max. Efficiency	98.2%	98.2%	98.2%	98.2%	98.3%	98.3%	98.3%
European Efficiency	>97.6%	>97.6%	>97.6%	>97.6%	>97.7%	>97.7%	>97.7%
Protection							
Anti-Islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC Insulation Resistor Detection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC Surge Protection	Type III						
AC Surge Protection	Type III						
Residual Current Monitoring Unit	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Over Current Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Short Circuit Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Over Voltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC Arc Fault Circuit Interrupter	Optional	Optional	Optional	Optional	Optional	Optional	Optional
General Data							
Operating Temperature Range (°C)	-30–60	-30–60	-30–60	-30–60	-30–60	-30–60	-30–60
Relative Humidity	0–100%	0–100%	0–100%	0–100%	0–100%	0–100%	0–100%
Operating Altitude (m)	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000
Cooling Method	Natural Convection			Smart Fan Cooling			
Display	LCD, LED / WiFi+App						
Communication	WiFi / LAN / RS485						
Weight (Kg)	15	15	15	16	16	18	18
Size (Width × Height × Depth mm)	354 × 433 × 147	354 × 433 × 147	354 × 433 × 147	354 × 433 × 155	354 × 433 × 155	354 × 433 × 155	354 × 433 × 155
Ingress Protection Rating	IP65	IP65	IP65	IP65	IP65	IP65	IP65
Night Power Consumption (W)	<1	<1	<1	<1	<1	<1	<1
DC Connector	MC4 (2.5–4mm²)						
Topology	Transformerless						

*1: For Belgium Max. Output Apparent Power (VA): GW4K-DT is 4000; GW5K-DT is 5000; GW6K-DT is 6000; GW8K-DT is 8000; GW10KT-DT is 10000; GW12KT-DT is 12000; GW15KT-DT is 15000.
*: Please visit GoodWe website for the latest certificates.

GOODWE
YOUR SOLAR ENGINE

SMT Series

25-36kW I 3 MPPTs I Three Phase

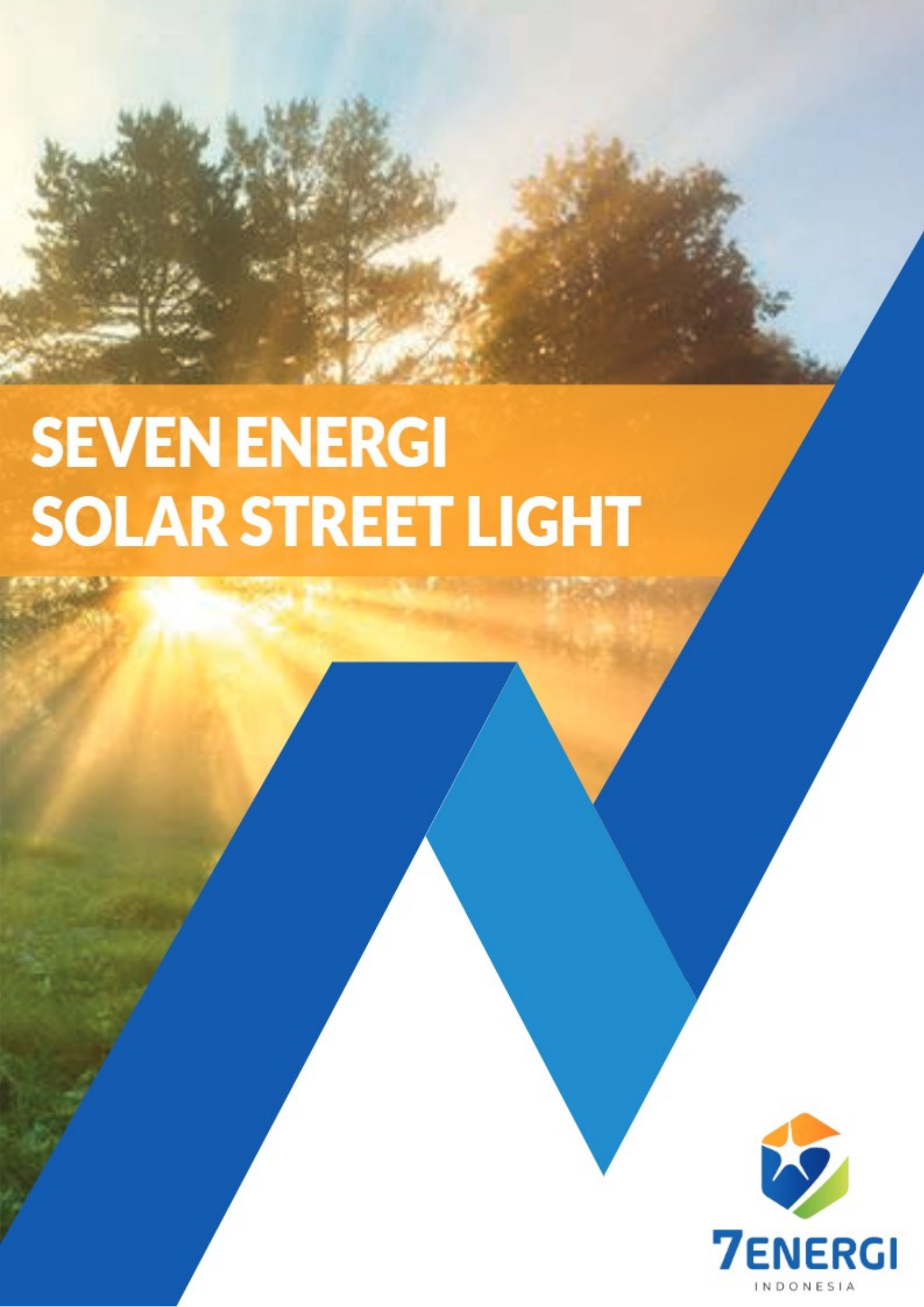
The new three MPP-Tracker inverters of the GoodWe SMT Series are ideal for commercial rooftop installations. The SMT product series achieves a higher maximum efficiency of 98.8% and features unique design highlights: solid capacitor, fuse free and optional AFCI function. These three new features ensure a longer life-span and a higher safety level of operation allowing for an improved user experience. With its weight of just 40 kg and compact design, the inverters of the SMT series are easy to handle. With a maximum DC input voltage of 1100V, wider MPPT range, and a start-up voltage of 1100V, the SMT series guarantees an earlier generation of power and a longer working time in order to maximize long-term returns and profitability in safe operating conditions.

- 98.8% Max. Efficiency
- Full-load running at 50°C
- 130% DC input oversizing
- String level monitoring
- 110% AC output overloading
- Arc-fault circuit interrupter

SMT Series

Technical Data	GW25K-MT	GW30K-MT	GW36K-MT
PV String Input Data			
Max. DC Input Power (Wp)	32500	39000	42900
Max. DC Input Voltage (V)	1100	1100	1100
MPPT Range (V)	200–950	200–950	200–950
Start-up Voltage (V)	180	180	180
Nominal DC Input Voltage (V)	600	600	600
Max. Input Current (A)	25 / 25 / 25	25 / 25 / 25	25 / 25 / 25
Max. Short Current (A)	31.3 / 31.3 / 31.3	31.3 / 31.3 / 31.3	31.3 / 31.3 / 31.3
Number of MPPTs	3	3	3
Number of Strings per MPPT	2 / 2 / 2	2 / 2 / 2	2 / 2 / 2
AC Output Data			
Nominal Output Power (W)	25000	30000	36000*1
Max. Output Power (W)	27500*2	33000*2	36000*2
Max. Output Apparent Power (VA)	27500*3	33000*3	36000*3
Nominal Output Voltage (V)	400, 3L / N / PE or 3L / PE		
Nominal Output Frequency (Hz)	50/60	50/60	50/60
Max. Output Current (A)	40	48	53.3
Output Power Factor	–1 (Adjustable from 0.8 leading to 0.8 lagging)		
Output THDi (@Nominal Output)	<3%	<3%	<3%
Efficiency			
Max. Efficiency	98.7%	98.8%	98.8%
European Efficiency	>98.4%	>98.5%	>98.5%
Protection			
Anti-islanding Protection	Integrated	Integrated	Integrated
Input Reverse Polarity Protection	Integrated	Integrated	Integrated
PV String Current Monitoring	Integrated	Integrated	Integrated
Anti-PID Function for Module	Optional	Optional	Optional
Insulation Resistor Detection	Integrated	Integrated	Integrated
DC Surge Protection	Type III (Type II optional)		
AC Surge Protection	Type III (Type II optional)		
Residual Current Monitoring Unit	Integrated	Integrated	Integrated
Output Over Current Protection	Integrated	Integrated	Integrated
Output Short Protection	Integrated	Integrated	Integrated
Output Over Voltage Protection	Integrated	Integrated	Integrated
AFCI	Optional	Optional	Optional
Terminal Temperature Detection	Optional	Optional	Optional
General Data			
Operating Temperature Range (°C)	-30–60	-30–60	-30–60
Relative Humidity	0–100%	0–100%	0–100%
Operating Altitude (m)	≤3000	≤3000	≤3000
Cooling Method	Fan Cooling	Fan Cooling	Fan Cooling
User Interface	LCD & LED or APP & LED		
Communication	RS485 / WiFi / GPRS / PLC		
Weight (Kg)	40	40	40
Size (Width × Height × Depth mm)	480 × 590 × 200	480 × 590 × 200	480 × 590 × 200
Protection Degree	IP65	IP65	IP65
Night Self Consumption (W)	<1	<1	<1
Topology	Transformerless		

*1: 33kW for Italy,36kW for other countries.
*2: For Belgium Max. Output Power (W): GW25K-MT is 25000; GW30K-MT is 30000; GW36K-MT is 36000.
*3: For Belgium Max. Output Apparent Power (VA): GW25K-MT is 25000; GW30K-MT is 30000; GW36K-MT is 36000.
*: Please visit GoodWe website for the latest certificates.



SEVEN ENERGI
SOLAR STREET LIGHT

7ENERGI
INDONESIA

Product Overview

Reliable as the sun
High output External LED lighting

Product Application

- Street Lighting
- Park Lighting
- Roadway Lighting
- Fence Lighting
- Pathway Lighting
- Campus Lighting
- Ramp Lighting
- Pedestrian Lighting
- Private Road Lighting
- Farm & Ranch Lighting

Daylight Sensing

Zero Energy cost

IP66 Weatherproof

No Wring Required

Long operations hours

PJU 2 IN ONE - 60W SOLAR STREET LIGHT
(SPLIT -SYSTEM)

- **2 IN ONE - 60 WATT**

Solar Panel	: 200 W
Light Source	: Philips SMD3030, 5000K CCT (Optional CCT 2700K. 3000K, 4000K,6500K)
Light Unit Size	: 625*285*90mm
LED Power Rating	: 60W
Number of LEDs	: 98pcs
Efficiency	: >160 Lm / Watt
Operation Mode	: 12H
Luminous Flux	: >9600LM
Operating Temperature	: -10°C - 50°C
LED Lifespan	: >50.000 Hours
Housing Material	: Die-cast Aluminium
IP Rating	: IP66
Battery Capacity	: LifePO4 battery
Light Unit Tilt	: 0°-270°
Finish	: RAL 9016 Traffic White
Sensor Detection Area	: Up to 10 m to either side, i.e 20 m Pole spacing (Typical Height: 6m-10m)
Gross Weight	: 9Kg

PJU 2 IN ONE - 80W SOLAR STREET LIGHT
(SPLIT -SYSTEM)

- **2 IN ONE - 80 WATT**

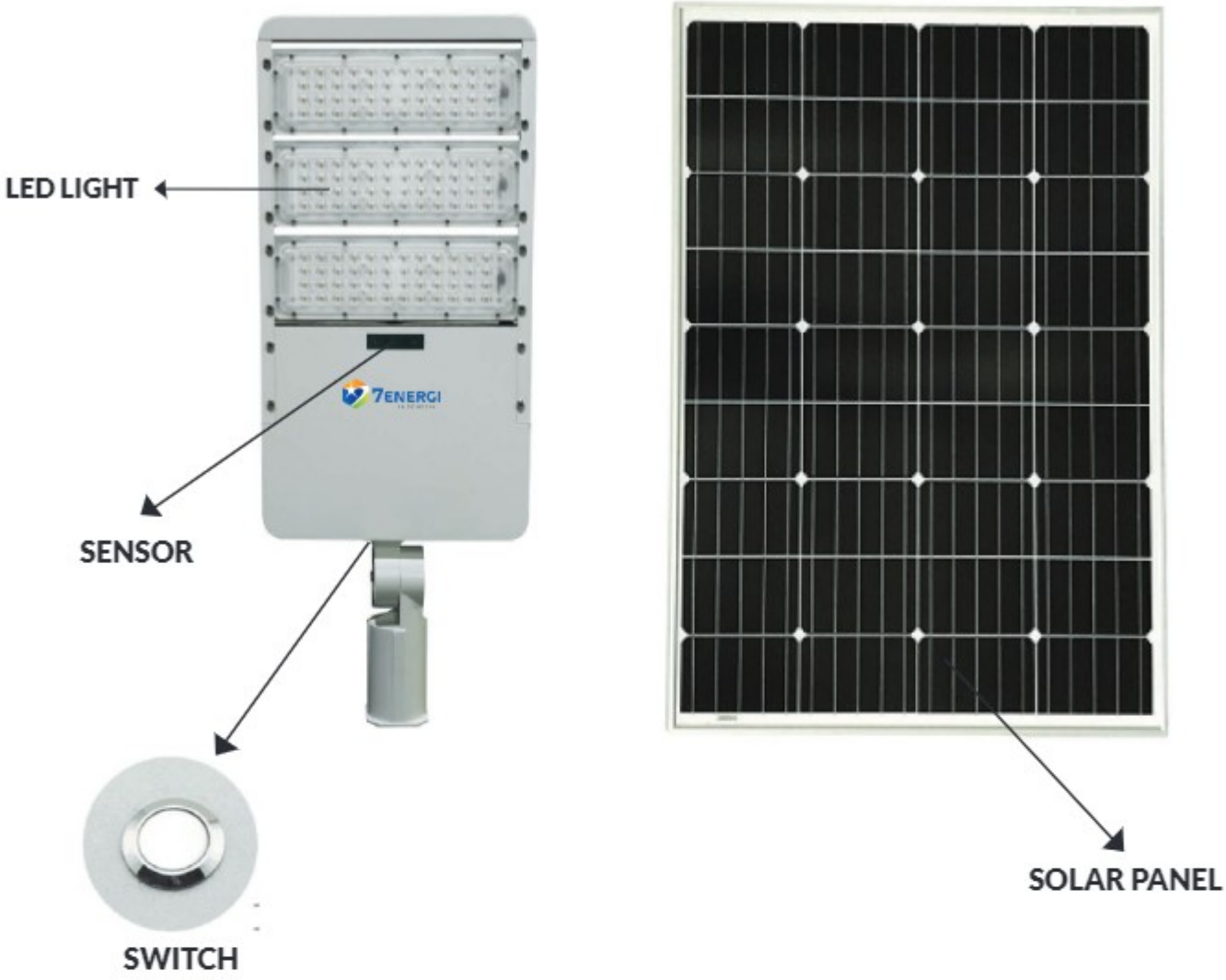
Solar Panel	: 200 W
Light Source	: Philips SMD3030, 5000K CCT (Optional CCT 2700K. 3000K, 4000K,6500K)
Light Unit Size	: 625*285*90mm
LED Power Rating	: 80W
Number of LEDs	: 98pcs
Efficiency	: >160 Lm / Watt
Operation Mode	: 12H
Luminous Flux	: >12800LM
Operating Temperature	: -10°C - 50°C
LED Lifespan	: >50.000 Hours
Housing Material	: Die-cast Aluminium
IP Rating	: IP66
Battery Capacity	: Lithium battery
Light Unit Tilt	: 0°-270°
Finish	: RAL 9016 Traffic White
Sensor Detection Area	: Up to 10 m to either side, i.e 20 m Pole spacing (Typical Height: 6m-10m)
Gross Weight	: 9.2Kg

PJU 2 IN ONE - 100W SOLAR STREET LIGHT
(SPLIT -SYSTEM)

- **2 IN ONE - 100 WATT**

Solar Panel	: 200 W
Light Source	: Philips SMD3030, 5000K CCT (Optional CCT 2700K. 3000K, 4000K,6500K)
Light Unit Size	: 710*285*90mm
LED Power Rating	: 100W
Number of LEDs	: 144pcs
Efficiency	: >160 Lm / Watt
Operation Mode	: 12H
Luminous Flux	: >16000LM
Operating Temperature	: -10°C - 50°C
LED Lifespan	: >50.000 Hours
Housing Material	: Die-cast Aluminium
IP Rating	: IP66
Battery Capacity	: Lithium battery
Light Unit Tilt	: 0°-270°
Finish	: RAL 9016 Traffic White
Sensor Detection Area	: Up to 10 m to either side, i.e 20 m Pole spacing (Typical Height: 6m-10m)
Gross Weight	: 12Kg

Product Showing



ALL IN ONE
SOLAR STREET LIGHT

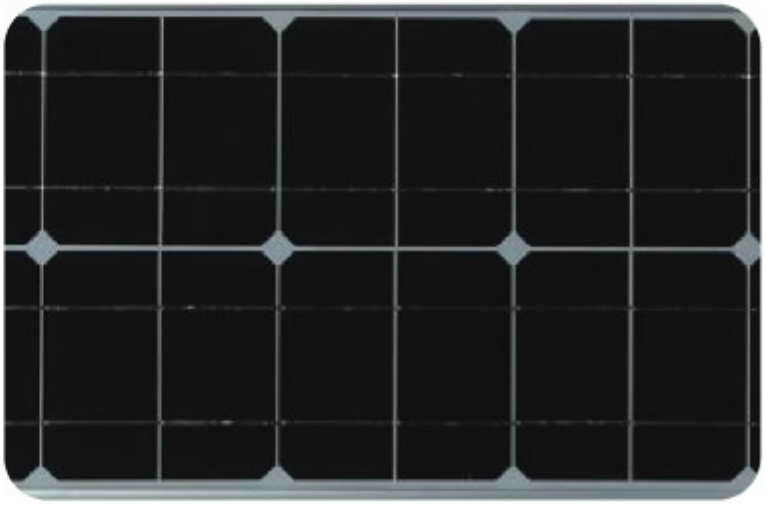
Specifications Details

Detail				Picture
Power	Specifications			
40W	Solar Panel	Max Power	18V/70W (High-rfficiency monocrystalline solar panel)	
		Lifespan	25 years	
	Battery	Model	Lithium battery	
		Lifespan	5-8 years	
	LED Chip	Power	50W (Philips chip, Aluminum PCB Plate)	
		Chip brand	Philips SMD3030	
		Lumen	100-110lm/W	
		Lifespan	6 - 8 years	
	Install distance	Install height : 5-7M Install horizontal spacing : 15-20M		
	Install position	Light pole branch diameter : 60-100mm		
	Install body material	Aluminium alloy		
	Charging time	6 hours of effectively sun light		
	Working time	Light 10 to 12 hours every day, sustainable 3-7 rainy day		
	Switching mode	Time control + Light sensor control + motion sensor control		
	Certification	CE. ROHS		
	Size	Product size : L1150*300*H90mm Packing Size : 122*34.5*15.5cm 1pcs/carton		
	Weight	Net weight : 13KG Gross weight : 14KG		
	Warranty	5 years warranty		

Product Showing

SOLAR PANELS

Highly transparent high-quality tempered glass, a unique process to make the components beautiful and strong anti-snow, easy to install.



Specifications Details

Detail				Picture
Power	Specifications			
100W	Solar Panel	Max Power	18V/70W (High-rfficiency monocrystalline solar panel)	
		Lifespan	25 years	
	Battery	Model	Lithium battery	
		Lifespan	5-8 years	
	LED Chip	Power	192pcs (Philips chip, Aluminum PCB plate)	
		Chip brand	Philips SMD3030 CCT:2700-6500K	
		Lumen	160lm/w	
		Lifespan	6 - 8 years	
	Install distance	Install height : 8-10M Install horizontal spacing : 25-30M		
	Install position	Light pole branch diameter : 60-100mm		
	Install body material	Aluminium alloy		
	Charging time	6 hours of effectively sun light		
	Working time	Light 10 to 12 hours every day, sustainable 3-7 rainy day		
	Switching mode	Time control + Light sensor control + motion sensor control		
	Certification	CE. ROHS		
	Size	Product size : L1400*540*H140mm Packing Size : 145*58*18.5cm 1pcs/carton		
	Weight	Net weight : 23KG Gross weight : 25KG		
	Warranty	5 years warranty		

Marks Building

MARKS BUILDING
Alam Sutera

BCA Dormitory Sentul

BCA Dormitory Sentul

PROJECT

SHARP New Factory KIIC - Karawang

SHARP New Factory KIIC– KARAWANG

SHARP
PT Sharp Electronics Indonesia

ABB Factory MM 2100 Industrial Estate

ABB Factory MM 2100 Industrial Estate

SHARP
PT Sharp Electronics Indonesia

ABB
PT ABB SAKTI INDUSTRI

PROJECT

Toyota Motor Manufacturing - KIIC - Lot DD - 1

TOYOTA
INDONESIA
PT Toyota Motor Manufacturing Indonesia

Toyota Motor Manufacturing – KIIC– Lot DD–1

GO GREEN

Pertamina Gasoline Station - Cililitan Jakarta

PERTAMINA

PERTAMINA GASOLINE STATION– CILILITAN JAKARTA

GO GREEN

PROJECT

100KW PUEBLA MEXICO

30KW PUEBLA MEXICO

PROJECT

352KW Australia

5MW HUNGARY

PROJECT

11MW, De Munt Emmeloord, Holland

6MW, Griene Greide Garyp, Holland

PROJECT

700KW, South Korea

22.72KWP, Antalya, Turkey

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