

### TRIPLE-CUT

- ✓ THE ONLY ONE ON THE MARKET with the highest efficiency

### FRAMELESS - FULL SCREEN

- ✓ THE ONLY ONE ON THE MARKET that generates more energy due to LACK OF FRAME (FULLSCREEN) that does not allow gathering of dust around the frame

### WARRANTY & PRICE

- ✓ Over 30 years warranty
- Performance - Efficiency
- ✓ Best price on the market



Outstanding Product



# DHM-T72X10/FS(BW)

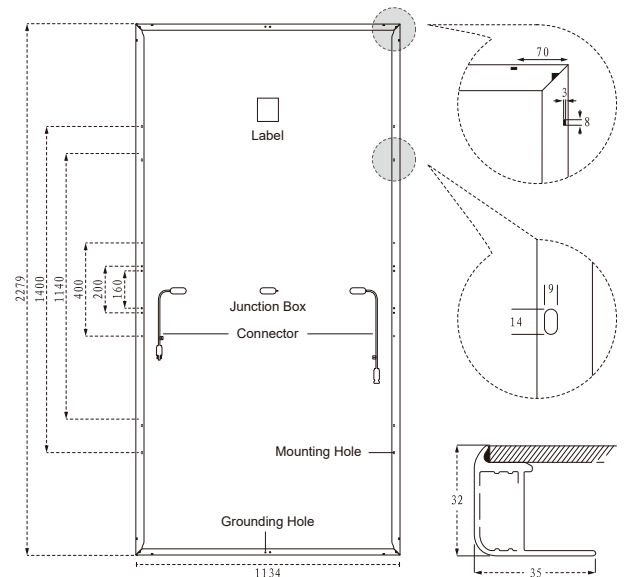
# 545~560W



## Mechanical Specification

Cable	4.0mm <sup>2</sup> , 300/400mm in length, (Including connector) length can be customized
No.of Cells	216 (6×36)
Glass	3.2mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
<b>Weight</b>	<b>29kg</b>
<b>Cells Type</b>	<b>Mono 182×60.7mm</b>
<b>Dimension (L×W×T)</b>	<b>2279×1134×32mm</b>
<b>Packing</b>	<b>34pcs/pallet, 680pcs/40HQ</b>

## Design



## Operating Parameters

Maximum system voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum series fuse rating	20A
Snow load, frontside/Wind load, backside	5400Pa/2400Pa
Nominal operating cell temperature	42°C±2°C
Application level	Class A

## STC — Electrical Characteristics

Module Type	DHM-T72X10/FS(BW)			
Maximum Power (Pmax/W)	545	550	555	560
Open-circuit Voltage (Voc/V)	74.5	74.7	74.9	75.1
Maximum Power Voltage (Vmp/V)	62.8	63.0	63.2	63.4
Short-circuit Current (Isc/A)	9.25	9.31	9.37	9.43
Maximum Power Current (Imp/A)	8.68	8.73	8.78	8.83
Module Efficiency (%)	21.09	21.28	21.48	21.67

Power Tolerance: 0~+5W, Temperature Coefficient of Isc: 0.05%/°C, Temperature Coefficient of Voc: -0.31%/°C, Temperature Coefficient of Pmax: -0.35%/°C

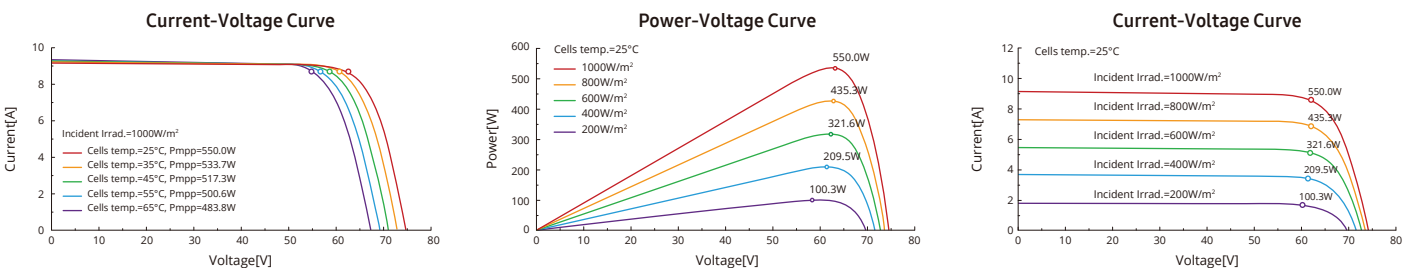
Standard Test Environment : Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, Spectrum AM1.5

## NOCT — Electrical Characteristics

Maximum Power (Pmax/W)	410	414	418	421
Open-circuit Voltage (Voc/V)	70.6	70.8	71.0	71.1
Maximum Power Voltage (Vmp/V)	59.5	59.7	59.9	60.1
Short-circuit Current (Isc/A)	7.47	7.52	7.57	7.62
Maximum Power Current (Imp/A)	6.89	6.93	6.97	7.02

Standard Test Environment : Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

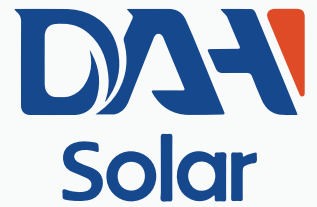
## I-V Curve DHM-T72X10/FS(BW)-550W



Autostrada Tirane-Durres km 11  
Qendra "Hybrid" tek Emigres, 1051, Tirane

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## BIFACIAL

- ✓ Powergain from the front and from the back
- ✓ Up to 25% higher yields depending on tilt angle
- ✓ Return of investment in shorter time compared to other panels
- ✓ Durable solar cells with high lifespan



Outstanding Product



## FRAMELESS - FULL SCREEN

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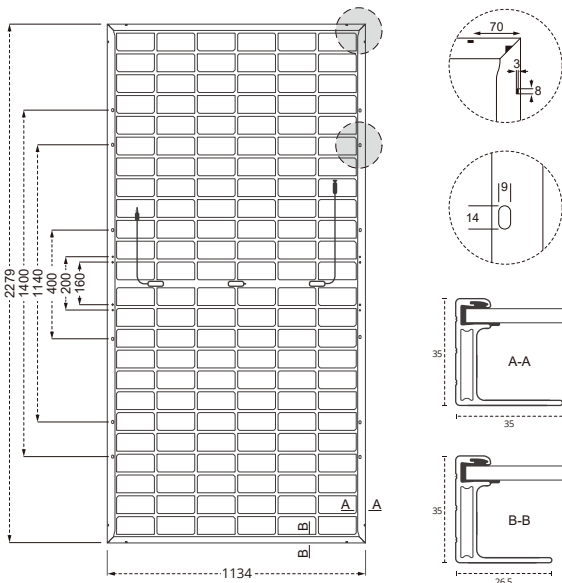
## WARRANTY & PRICE

- ✓ Over 30 years warranty
- Performance - Efficiency
- ✓ Best price on the market



# DHM-72X10/BF-540~555W

## Design



## Mechanical Specification

**Cells Type**  
Mono 182×91mm

**Weight**  
29kg

**Cable**  
(Including connector)

**No. of Cells**

**Glass**

**Junction box**

**Connector**

**Dimension (L×W×T)**  
2279×1134×35mm

**Packing**  
31pcs/pallet, 620pcs/40HQ

4.0mm<sup>2</sup>, Portrait: 300mm(+)/400mm(-)

Landscape: 1400mm(+)/1400mm(-)

144 (6×24)

3.2mm High Transmission, Antireflection Coating

IP68, 3 Bypass Diodes

MC4 Compatible

## Operating Parameters

Maximum system voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum series fuse rating	30A
Snow load, frontside	5400Pa
Wind load, backside	2400Pa
Nominal operating cell temperature	45°C±2°C
Application level	Class A

## Electrical Characteristics

Module Type	DHM-72X10/BF							
	STC	Noct	STC	Noct	STC	Noct	STC	Noct
Maximum Power (Pmax)	540W	402W	545W	405W	550W	409W	555W	413W
Open-circuit Voltage (Voc)	49.8V	46.71V	50.0V	46.90V	50.2V	47.09V	50.4V	47.28V
Maximum Power Voltage (Vmp)	42.0V	39.40V	42.2V	39.58V	42.4V	39.77V	42.6V	39.96V
Short-circuit Current (Isc)	13.66A	11.04A	13.72A	11.09A	13.78A	11.13A	13.84A	11.18A
Maximum Power Current (Imp)	12.86A	10.20A	12.91A	10.24A	12.97A	10.29A	13.03A	10.33A
Module Efficiency (STC)	20.89%		21.09%		21.30%		21.48%	

STC: Standard Test Environment : Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, Spectrum AM1.5

NOCT: Standard Test Environment : Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

Refer Bifacial Factor: 70±5%

Temperature Coefficient of Voc: -0.31%/°C

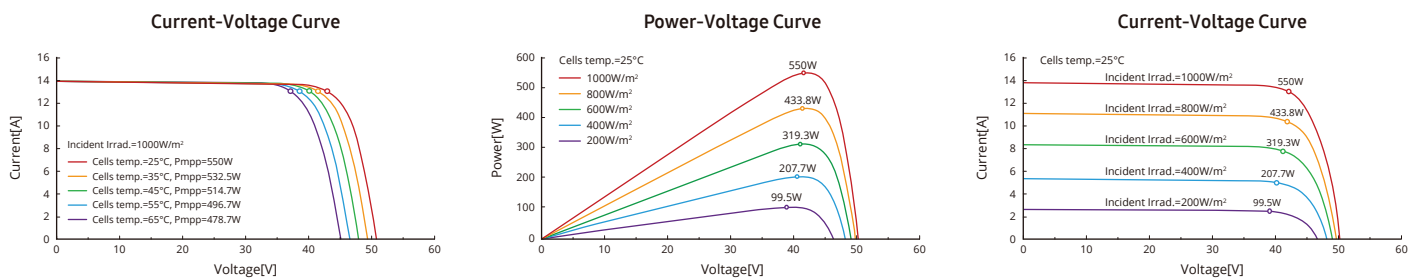
Temperature Coefficient of Isc: 0.05%/°C

Temperature Coefficient of Pmax: -0.35%/°C

### Double-sided power generation parameters (Rear gain)

5%	Maximum Power (Pmax)	567W	572W	578W	582.5W
	Module Efficiency (%)	21.94%	22.14%	22.35%	22.54%
15%	Maximum Power (Pmax)	621W	627W	633W	632.7W
	Module Efficiency (%)	24.03%	24.25%	24.47%	24.48%
25%	Maximum Power (Pmax)	675W	681W	688W	694W
	Module Efficiency (%)	26.12%	26.36%	26.60%	26.84%

## I-V Curve DHM-72X10/BF-550W



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## TopCON

- ✓ EASE OF TRANSPORT & ASSEMBLY
- ✓ THE ONLY ONE ON THE MARKET with the highest efficiency
- ✓ PROTECTION & HIGH PERFORMANCE from extreme temperatures (rain, hail)
- ✓ Latest technology
- ✓ Higher yield for the same surface in relation to other technologies

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Outstanding Product





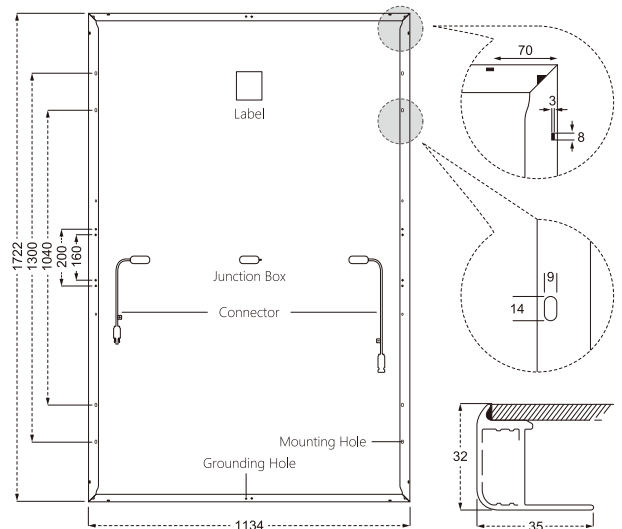
### Mechanical Specification

Cable	4.0mm <sup>2</sup> , 300/200mm in length,
(Including connector)	length can be customized
No.of Cells	108 (6×18)
Glass	3.2mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
<b>Weight</b>	<b>22kg</b>
<b>Cells Type</b>	<b>N-type 182×91mm</b>
<b>Dimension (L×W×T)</b>	<b>1722×1134×32mm</b>
<b>Packing</b>	<b>34pcs/pallet, 884pcs/40HQ</b>

### Operating Parameters

Maximum system voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum series fuse rating	25A
Snow load, frontside/Wind load, backside	5400Pa/2400Pa
Nominal operating cell temperature	45°C±2°C
Application level	Class A

### Design



### STC — Electrical Characteristics

Module Type	DHN-54X16/FS(BW)			
	420	425	430	435
Maximum Power (Pmax/W)	420	425	430	435
Open-circuit Voltage (Voc/V)	37.6	37.8	38.0	38.2
Maximum Power Voltage (Vmp/V)	32.1	32.3	32.5	32.7
Short-circuit Current (Isc/A)	13.72	13.78	13.84	13.90
Maximum Power Current (Imp/A)	13.08	13.16	13.23	13.30
Module Efficiency (%)	21.51	21.76	22.02	22.28

Power Tolerance: 0~+5W, Temperature Coefficient of Isc: 0.046%/°C, Temperature Coefficient of Voc: -0.25%/°C, Temperature Coefficient of Pmax: -0.30%/°C

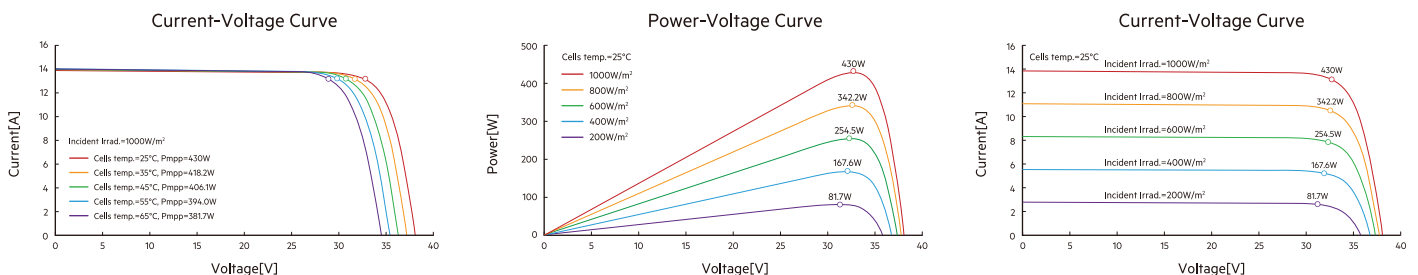
Standard Test Environment : Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, Spectrum AM1.5

### NOCT — Electrical Characteristics

Maximum Power (Pmax/W)	316	320	323	327
Open-circuit Voltage (Voc/V)	35.72	35.91	36.10	36.29
Maximum Power Voltage (Vmp/V)	30.50	30.69	30.88	31.07
Short-circuit Current (Isc/A)	11.08	11.13	11.17	11.22
Maximum Power Current (Imp/A)	10.36	10.42	10.47	10.53

Standard Test Environment : Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

### I-V Curve





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Outstanding Product



# DHN-72X16/FS

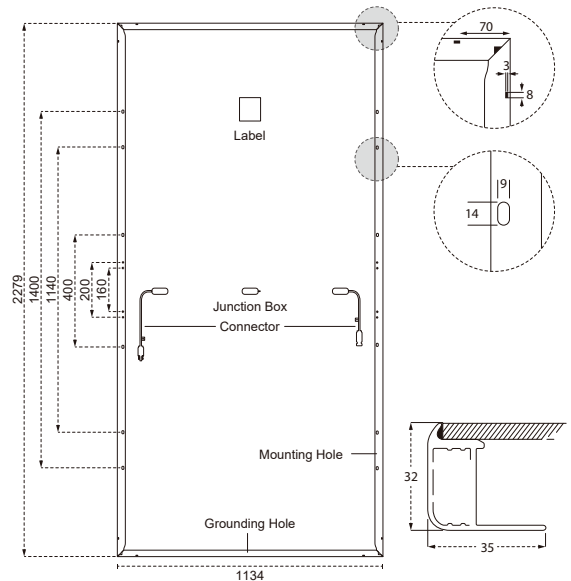
# 560~580W



## Mechanical Specification

Cable	4.0mm <sup>2</sup> , 350/250mm in length,
(Including connector)	length can be customized
No.of Cells	144 (6×24)
Glass	3.2mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
<b>Weight</b>	<b>29kg</b>
<b>Cells Type</b>	<b>N-type 182×91mm</b>
<b>Dimension (L×W×T)</b>	<b>2279×1134×32mm</b>
<b>Packing</b>	<b>34pcs/Pallet, 680pcs/40HQ</b>

## Design



## Operating Parameters

Maximum system voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum series fuse rating	25A
Snow load, frontside/Wind load, backside	5400Pa/2400Pa
Nominal operating cell temperature	45°C±2°C
Application level	Class A

## STC — Electrical Characteristics

Module Type	DHN-72X16/FS				
Maximum Power (Pmax/W)	560	565	570	575	580
Open-circuit Voltage (Voc/V)	50.6	50.8	51.0	51.2	51.4
Maximum Power Voltage (Vmp/V)	42.8	43.0	43.2	43.4	43.6
Short-circuit Current (Isc/A)	13.90	13.96	14.02	14.08	14.14
Maximum Power Current (Imp/A)	13.08	13.14	13.19	13.25	13.30
Module Efficiency (%)	21.67	21.86	22.06	22.25	22.44

Power Tolerance: 0~+5W, Temperature Coefficient of Isc: 0.046%/°C, Temperature Coefficient of Voc: -0.25%/°C, Temperature Coefficient of Pmax: -0.30%/°C

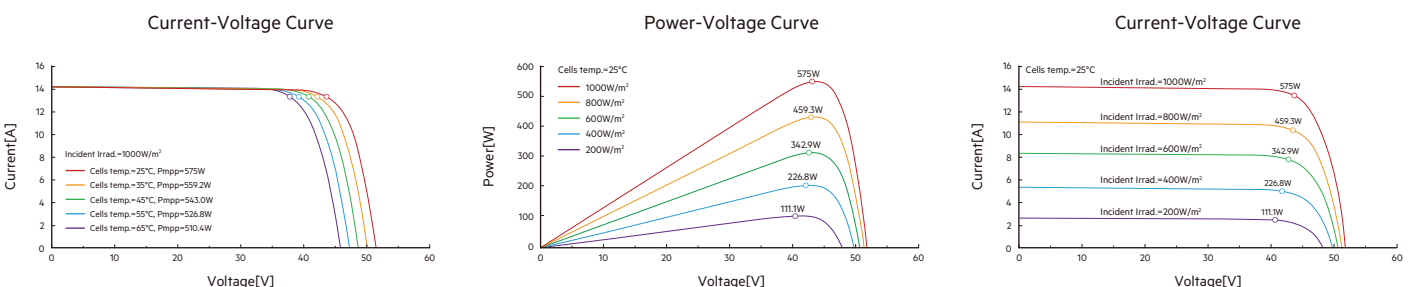
Standard Test Environment : Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, Spectrum AM1.5

## NOCT — Electrical Characteristics

Maximum Power (Pmax/W)	421	425	429	432	436
Open-circuit Voltage (Voc/V)	48.1	48.3	48.5	48.6	48.8
Maximum Power Voltage (Vmp/V)	40.7	40.9	41.0	41.2	41.4
Short-circuit Current (Isc/A)	11.22	11.27	11.32	11.37	11.42
Maximum Power Current (Imp/A)	10.36	10.40	10.44	10.49	10.53

Standard Test Environment : Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

## I-V Curve



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## BENEFITS

- ✓ Wide output voltage range
- ✓ Operating Temperatures up to 65°C
- ✓ Plug & Play Installation
- ✓ Online Monitoring and Control



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ELETTROTECNICO  
ITALIANO



## WARRANTY & PRICE

- ✓ **15** Years Hybrid Energy project warranty
- ✓ 5 Years product warranty
- ✓ Best price on the market



# Technical Data

Model	SUN300G3-US-220	SUN300G3-EU-230	SUN500G3-US-220	SUN500G3-EU-230
<b>Input Data (DC)</b>				
Recommended input Power (STC)	210~400W (1 Piece)		210~600W (1 Piece)	
Maximum input DC Voltage	60V			
MPPT Voltage Range	25~55V			
Operating DC Voltage Range	20~60V			
Max. DC Short Circuit Current	19.5A			
Max. input Current	13A			
Number of MPPT / Strings per MPPT	1/1			
<b>Output Data (AC)</b>				
Rated output Power	300W		500W	
Rated output Current	1.4A	1.3A	2.3A	2.2A
Nominal Voltage / Range (this may vary with grid standards)	220V / 176-242V	230V / 184~265V	220V / 176-242V	230V / 184~265V
Nominal Frequency / Range	50 / 60Hz			
Extended Frequency / Range	45~55Hz / 55~65Hz			
Power Factor	>0.99			
Maximum units per branch	17		10	
<b>Efficiency</b>				
CEC Weighted Efficiency	95%			
Peak Inverter Efficiency	96.5%			
Static MPPT Efficiency	99%			
Night Time Power Consumption	50mW			
<b>Mechanical Data</b>				
Ambient Temperature Range	-40~65°C			
Size (mm)	189W×184H×31.5D (Without mounting bracket and cable)			
Weight (kg)	2			
Cooling	Natural cooling			
Enclosure Environmental Rating	IP67			
<b>Features</b>				
Compatibility	Compatible with 60~72 cell PV modules			
Communication	Power line / WIFI / Zigbee			
Grid Connection Standard	EN50549-1, VDE0126-1-1, VDE 4105, ABNT NBR 16149, ABNT NBR 16150, ABNT NBR 62116, RD1699, UNE 206006 IN, UNE 206007-1 IN, IEE1547			
Safety EMC / Standard	UL 1741, IEC62109-1/-2, IEC61000-6-1, IEC61000-6-3, IEC61000-3-2, IEC61000-3-3			
Warranty	10 years			



### BENEFITS

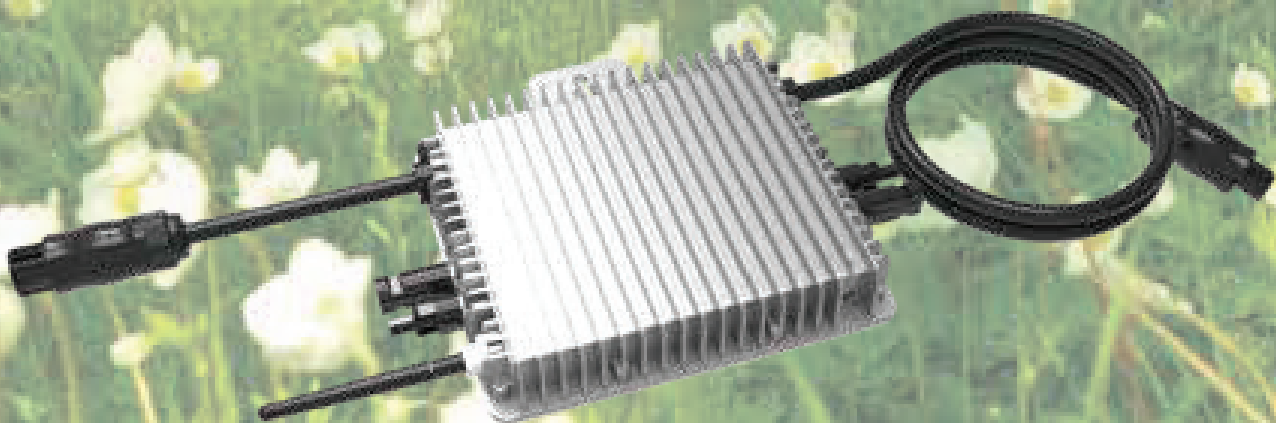
- ✓ Wide output voltage range
- ✓ Operating Temperatures up to 65°C
- ✓ Plug & Play Installation
- ✓ Online Monitoring and Control



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# Technical Data

Model	SUN600G3-US-220	SUN600G3-EU-230	SUN800G3-US-220	SUN800G3-EU-230	SUN1000G3-US-220	SUN1000G3-EU-230
<b>Input Data (DC)</b>						
Recommended input Power (STC)	210~400W (2 Pieces)		210~500W (2 Pieces)		210~600W (2 Pieces)	
Maximum input DC Voltage	60V					
MPPT Voltage Range	25~55V					
Full Load DC Voltage Range (V)	24.5~55V		33~55V		40~55V	
Max. DC Short Circuit Current	2×19.5A					
Max. input Current	2×13A					
No.of MPP Trackers	2					
No.of Strings per MPP Tracker	1					
<b>Output Data (AC)</b>						
Rated output Power	600W		800W		1000W	
Rated output Current	2.7A	2.6A	3.6A	3.5A	4.5A	4.4A
Nominal Voltage / Range (this may vary with grid standards)	220V/ 0.85Un-1.1Un	230V/ 0.85Un-1.1Un	220V/ 0.85Un-1.1Un	230V/ 0.85Un-1.1Un	220V/ 0.85Un-1.1Un	230V/ 0.85Un-1.1Un
Nominal Frequency / Range	50 / 60Hz					
Extended Frequency / Range	45~55Hz / 55~65Hz					
Power Factor	>0.99					
Maximum units per branch	8		6		5	
<b>Efficiency</b>						
CEC Weighted Efficiency	95%					
Peak Inverter Efficiency	96.5%					
Static MPPT Efficiency	99%					
Night Time Power Consumption	50mW					
<b>Mechanical Data</b>						
Ambient Temperature Range	-40~65					
Size (mm)	212W×230H×40D (Without mounting bracket and cable)					
Weight (kg)	3.15					
Cooling	Natural cooling					
Enclosure Environmental Rating	IP67					
<b>Features</b>						
Compatibility	Compatible with 60~72 cell PV modules					
Communication	Power line / WIFI / Zigbee					
Grid Connection Standard	EN50549-1, VDE0126-1-1, VDE 4105, ABNT NBR 16149, ABNT NBR 16150, ABNT NBR 62116, RD1699, UNE 206006 IN, UNE 206007-1 IN, IEEE1547					
Safety EMC / Standard	UL 1741, IEC62109-1/-2, IEC61000-6-1, IEC61000-6-3, IEC61000-3-2, IEC61000-3-3					
Warranty	10 years					



# Deye

## BENEFITS

- ✓ Low start-up voltage of 80V
- ✓ Operating Temperatures up to 60°C
- ✓ Plug & Play Installation
- ✓ Online Monitoring and Control



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 **Hybrid**  
Energy

Model	SUN-3.6K-G04	SUN-4K-G04	SUN-4.6K-G04	SUN-5K-G04	SUN-6K-G04
<b>Input Side</b>					
Max. DC Input Power (kW)	4.7	5.2	5.98	6.5	7.8
Max. DC Input Voltage (V)	550				
Start-up DC Input Voltage (V)	80				
MPPT Operating Range (V)	70~500				
Max. DC Input Current (A)	13+13				
Max. Short Circuit Current (A)	19.5+19.5				
No.of MPP Trackers	2				
No.of Strings per MPP Tracker	1				
<b>Output Side</b>					
Rated Output Power (kW)	3.6	4	4.6	5	6
Max. Active Power (kW)	3.96	4.4	5.06	5.5	6.6
Nominal Output Voltage / Range (V)	L/N/PE 220/230V (Optional)				
Rated Grid Frequency (Hz)	50 / 60 (Optional)				
Operating Phase	Single phase				
Rated AC Grid Output Current (A)	16.4/15.7	18.2/17.4	20.9/20	22.7/21.7	27.3/26.1
Max. AC Output Current (A)	18/17.2	20/19.1	23/22	25/23.9	30/28.7
Output Power Factor	0.8 leading to 0.8 lagging				
Grid Current THD	<3%				
DC Injection Current (mA)	<0.5%				
Grid Frequency Range	47~52 or 57~62 (Optional)				
<b>Efficiency</b>					
Max. Efficiency	97.3%	97.5%	97.5%	97.5%	97.5%
Euro Efficiency	97.1%	97.3%	97.3%	97.3%	97.3%
MPPT Efficiency	>99%				
<b>Protection</b>					
DC Reverse-Polarity Protection	Yes				
AC Short Circuit Protection	Yes				
AC Output Overcurrent Protection	Yes				
Output Overvoltage Protection	Yes				
Insulation Resistance Protection	Yes				
Ground Fault Monitoring	Yes				
Anti-islanding Protection	Yes				
Temperature Protection	Yes				
Integrated DC Switch	Yes				
Remote software upload	Yes				
Remote change of operating parameters	Yes				
Surge protection	DC Type II / AC Type II				
<b>General Data</b>					
Size (mm)	330W×323H×190D				
Weight (kg)	7.5				
Topology	Transformerless				
Internal Consumption	<1W (Night)				
Running Temperature	-25~65°C, >45°C derating				
Ingress Protection	IP65				
Noise Emission (Typical)	<35 dB				
Cooling Concept	Natural cooling				
Max. Operating Altitude Without Derating	2000m				
Warranty	5 years				
Grid Connection Standard	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11				
Operating Surroundings Humidity	0-100%				
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2				
<b>Features</b>					
DC Connection	MC-4 mateable				
AC Connection	IP65 rated plug				
Display	LCD1602				
Interface	RS485/RS232/Wifi/LAN				

# Deye

## BENEFITS

- ✓ 2 MPPTs (Maximum Power Point Tracking)
- ✓ Operating Temperatures up to 65°C
- ✓ Small, Lightweight, Compact Design
- ✓ Plug & Play Installation
- ✓ Online Monitoring and Control



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 **Hybrid**  
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# Deye

## BENEFITS

- ✓ Wide output voltage range
- ✓ 2 MPPTs (Maximum Power Point Tracking)
- ✓ Operating Temperatures up to 65°C
- ✓ Small, Lightweight, Compact Design
- ✓ Plug & Play Installation
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 **Hybrid**  
Energy

Model	SUN-4K-G05-P	SUN-5K-G05-P	SUN-6K-G05-P	SUN-7K-G05-P	SUN-8K-G05-P	SUN-10K-G05-P	SUN-12K-G05-P
<b>Input Side</b>							
Max. DC Input Power (kW)	5.2	6.5	7.8	9.1	10.4	13	15.6
Max. DC Input Voltage (V)	1000						
Start-up DC Input Voltage (V)	140						250
MPPT Operating Range (V)	120~850						200~850
Max. DC Input Current (A)	20+20						
Max. Short Circuit Current (A)	30+30						
No.of MPP Trackers	2						
No.of Strings per MPP Tracker	1						
<b>Output Side</b>							
Rated Output Power (kW)	4	5	6	7	8	10	12
Max. Active Power (kW)	4.4	5.5	6.6	7.7	8.8	11	13.2
Nominal Output Voltage / Range (V)	3L/N/PE 220/380V, 230/400V						
Rated Grid Frequency (Hz)	50 / 60 (Optional)						
Operating Phase	Three phase						
Rated AC Grid Output Current (A)	6.1/5.8	7.6/7.2	9.1/8.7	10.6/10.1	12.1/11.6	15.2/14.5	18.2/17.4
Max. AC Output Current (A)	6.7/6.4	8.3/8	10/9.6	11.7/11.1	13.3/12.8	16.7/15.9	20/19.1
Output Power Factor	0.8 leading to 0.8 lagging						
Grid Current THD	<3%						
DC Injection Current (mA)	<0.5%						
Grid Frequency Range	47~52 or 57~62 (Optional)						
<b>Efficiency</b>							
Max. Efficiency	98.3%						
Euro Efficiency	97.5%						
MPPT Efficiency	>99%						
<b>Protection</b>							
DC Reverse-Polarity Protection	Yes						
AC Short Circuit Protection	Yes						
AC Output Overcurrent Protection	Yes						
Output Overvoltage Protection	Yes						
Insulation Resistance Protection	Yes						
Ground Fault Monitoring	Yes						
Anti-islanding Protection	Yes						
Temperature Protection	Yes						
Integrated DC Switch	Yes						
Remote software upload	Yes						
Remote change of operating parameters	Yes						
Surge protection	DC Type II / AC Type II						
<b>General Data</b>							
Size (mm)	330W×457H×185D						330×457×205
Weight (kg)	10						11
Topology	Transformerless						
Internal Consumption	<1W (Night)						
Running Temperature	-25~65°C, >45°C derating						
Ingress Protection	IP65						
Noise Emission (Typical)	<30 dB						
Cooling Concept	Natural cooling						
Max. Operating Altitude Without Derating	2000m						
Warranty	5 years						
Grid Connection Standard	VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150						
Operating Surroundings Humidity	0-100%						
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2						
<b>Features</b>							
DC Connection	MC-4 mateable						
AC Connection	IP65 rated plug						
Display	LCD1602						
Interface	RS485/RS232/Wifi/LAN						

# Deye

## BENEFITS

- ✓ Wide output voltage range
- ✓ 2 MPPTs (Maximum Power Point Tracking)
- ✓ Operating Temperatures up to 65°C
- ✓ Small, Lightweight, Compact Design
- ✓ Plug & Play Installation
- ✓ Online Monitoring and Control

## WARRANTY & PRICE

- ✓ **15** Years Hybrid Energy project warranty
- ✓ 5 Years product warranty
- ✓ Best price on the market



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 **Hybrid**  
Energy

Model	SUN-15K-G05	SUN-17K-G05
<b>Input Side</b>		
Max. DC Input Power (kW)	19.5	22.1
Max. DC Input Voltage (V)	1000	
Start-up DC Input Voltage (V)	250	
MPPT Operating Range (V)	200-850	
Max. DC Input Current (A)	13+26	
Max. Short Circuit Current (A)	19.5+39	
No.of MPP Trackers	2	
No.of Strings per MPP Tracker	1+2	
<b>Output Side</b>		
Rated Output Power (kW)	15	17
Max. Active Power (kW)	16.5	18.7
Nominal Output Voltage / Range (V)	3L/N/PE 220/380V, 230/400V	
Rated Grid Frequency (Hz)	50 / 60 (Optional)	
Operating Phase	Three Phase	
Rated AC Grid Output Current (A)	22.7/21.7	25.8/24.6
Max. AC Output Current (A)	25/23.9	28.3/27.1
Output Power Factor	0.8 leading to 0.8 lagging	
Grid Current THD	<3%	
DC Injection Current (mA)	<0.5%	
Grid Frequency Range	45~55 or 55~65 (Optional)	
<b>Efficiency</b>		
Max. Efficiency	98.5%	
Euro Efficiency	97.5%	
MPPT Efficiency	>99%	
<b>Protection</b>		
DC Reverse-Polarity Protection	Yes	
AC Short Circuit Protection	Yes	
AC Output Overcurrent Protection	Yes	
Output Overvoltage Protection	Yes	
Insulation Resistance Protection	Yes	
Ground Fault Monitoring	Yes	
Anti-islanding Protection	Yes	
Temperature Protection	Yes	
Integrated DC Switch	Yes	
Remote Software Upload	Yes	
Remote Change of Operating Parameters	Yes	
Surge Protection	DC Type II / AC Type II	
<b>General Data</b>		
Cabinet Size (WxHxD mm)	333×472×203 (Excluding Connectors and Brackets)	
Weight (kg)	15	
Topology	Transformerless	
Internal Consumption	<1W (Night)	
Running Temperature	-25-65 , >45 Derating	
Ingress Protection	IP65	
Noise Emission (Typical)	≤40 dB	
Cooling Concept	Smart Cooling	
Permissible Altitude (m)	4000	
Warranty	5 Years	
Grid Connection Standard	VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1G98, G99, C10-11, UNE217002, NBR16149/NBR16150	
Operating Surroundings Humidity	0-100%	
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2	
<b>Features</b>		
DC Connection	MC-4 Mateable	
AC Connection	IP65 Rated Plug	
Display	LCD1602	
Interface	RS485/RS232/Wifi/LAN	

# Deye

## BENEFITS

- ✓ Wide output voltage range
- ✓ 2 MPPTs (Maximum Power Point Tracking)
- ✓ Operating Temperatures up to 65°C
- ✓ Small, Lightweight, Compact Design
- ✓ Plug & Play Installation
- ✓ Online Monitoring and Control

## WARRANTY & PRICE

- ✓ **15** Years Hybrid Energy project warranty
- ✓ 5 Years product warranty
- ✓ Best price on the market



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Energy

Model	SUN-18K-G04	SUN-20K-G04	SUN-25K-G04	SUN-18K-G05	SUN-20K-G05	SUN-25K-G05
<b>Input Side</b>						
Max. DC Input Power (kW)	23.4	26	32.5	23.4	26	32.5
Max. DC Input Voltage (V)	1000					
Start-up DC Input Voltage (V)	250					
MPPT Operating Range (V)	200-850					
Max. DC Input Current (A)	32+32			26+26		
Max. Short Circuit Current (A)	48+48			39+39		
No. of MPP Trackers	2					
No. of Strings per MPP Tracker	3+3			2+2		
<b>Output Side</b>						
Rated Output Power (kW)	18	20	25	18	20	25
Max. Active Power (kW)	19.8	22	27.5	19.8	22	27.5
Nominal Output Voltage / Range (V)	3L/N/PE 220/380V, 230/400V					
Rated Grid Frequency (Hz)	50 / 60 (Optional)					
Operating Phase	Three Phase					
Rated AC Grid Output Current (A)	27.3/26.1	30.3/29	37.9/36.2	27.3/26.1	30.3/29	37.9/36.2
Max. AC Output Current (A)	30/28.7	33.3/31.9	41.7/39.8	30/28.7	33.3/31.9	41.7/39.8
Output Power Factor	0.8 leading to 0.8 lagging					
Grid Current THD	<3%					
DC Injection Current (mA)	<0.5%					
Grid Frequency Range	45~55 or 55~65 (Optional)					
<b>Efficiency</b>						
Max. Efficiency	98.6%					
Euro Efficiency	97.8%					
MPPT Efficiency	>99%					
<b>Protection</b>						
DC Reverse-Polarity Protection	Yes					
AC Short Circuit Protection	Yes					
AC Output Overcurrent Protection	Yes					
Output Overvoltage Protection	Yes					
Insulation Resistance Protection	Yes					
Ground Fault Monitoring	Yes					
Anti-islanding Protection	Yes					
Temperature Protection	Yes					
Integrated DC Switch	Yes					
Remote Software Upload	Yes					
Remote Change of Operating Parameters	Yes					
Surge Protection	DC Type II / AC Type II					
<b>General Data</b>						
Cabinet Size (WxHxD mm)	362×577×215 (Excluding Connectors and Brackets)			362×527×220 (Excluding Connectors and Brackets)		
Weight (kg)	23			20		
Topology	Transformerless					
Internal Consumption	<1W (Night)					
Running Temperature	-25-65 , >45 Derating					
Ingress Protection	IP65					
Noise Emission (Typical)	≤40 dB					
Cooling Concept	Smart Cooling					
Permissible Altitude (m)	2000			4000		
Warranty	5 Years					
Grid Connection Standard	VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1G98, G99, C10-11, UNE217002, NBR16149/NBR16150					
Operating Surroundings Humidity	0-100%					
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2					
<b>Features</b>						
DC Connection	MC-4 Mateable					
AC Connection	IP65 Rated Plug					
Display	LCD1602					
Interface	RS485/RS232/Wifi/LAN					

# Deye

## BENEFITS

- ✓ 40V - 700V Battery Voltages
- ✓ Compatible with many battery manufacturers
- ✓ 2 MPPTs with 2 or 2+1 inputs (Maximum Power Point Tracking)
- ✓ Operating Temperatures up to 60°C
- ✓ Max. 10 pcs parallel for on/off grid operation
- ✓ Plug & Play Installation
- ✓ Online Monitoring and Control

## WARRANTY & PRICE

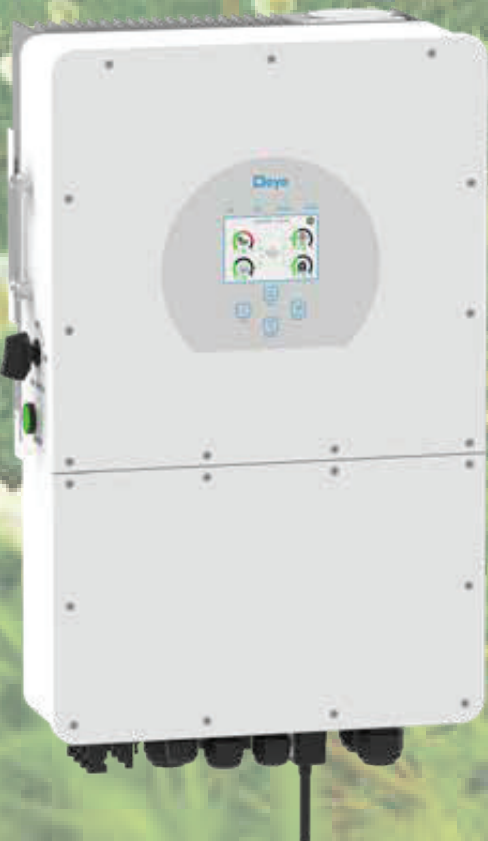
- ✓ **15** Years Hybrid Energy project warranty
- ✓ 5 Years product warranty
- ✓ Best price on the market



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Energy



Model	SUN-5K-SG01 HP3-EU-AM2	SUN-6K-SG01 HP3-EU-AM2	SUN-8K-SG01 HP3-EU-AM2	SUN-10K-SG01 HP3-EU-AM2	SUN-12K-SG01 HP3-EU-AM2	SUN-15K-SG01 HP3-EU-AM2	SUN-20K-SG01 HP3-EU-AM2	SUN-25K-SG01 HP3-EU-AM2
<b>Battery Input Data</b>								
Battery Type	Lithium-ion							
Battery Voltage Range (V)	160~700							
Max. Charging Current (A)	37						50	
Max. Discharging Current (A)	37						50	
Number of Battery Input	1							
Charging Strategy for Li-Ion Battery	Self-adaption to BMS							
<b>PV String Input Data</b>								
Max. DC Input Power (W)	6500	7800	10400	13000	15600	19500	26000	32500
Max. DC Input Voltage (V)	1000							
Start-up Voltage (V)	180							
MPPT Range (V)	150-850							
Full Load DC Voltage Range (V)	195-850	195-850	260-850	325-850	340-850	420-850	500-850	625-850
Rated DC Input Voltage (V)	600							
PV Input Current (A)	20+20				26+20		26+26	
Max. PV I <sub>sc</sub> (A)	30+30				39+30		39+39	
No. of MPP Trackers	2							
No. of Strings per MPP Tracker	1+1				2+1		2+2	
<b>AC Output Data</b>								
Rated AC Output and UPS Power (W)	5000	6000	8000	10000	12000	15000	20000	25000
Max. AC Output Power (W)	5500	6600	8800	11000	13200	16500	22000	26000
AC Output Rated Current (A)	7.6/7.3	9.1/8.7	12.2/11.6	15.2/14.5	18.2/17.4	22.8/21.8	30.4/29	37.9/36.3
Max. AC Output Rated Current (A)	8.4/8	10/9.6	13.4/12.8	16.7/16	20/19.2	25/24	33.4/31.9	39.4/37.7
Max. Three-phase Unbalanced Output Current(A)	13	13	18	22	25	30	35	40
Max. Continuous AC Passthrough (A)	40				80			
Peak Power (off grid)	1.5 time of rated power, 10 S							
Generator Input/Smart Load /AC Couple Current (A)	7.6/40/7.6	9.1/40/9.1	12.2/40/12.2	15.2/40/15.2	18.2/80/18.2	22.8/80/22.8	30.4/80/30.4	37.9/80/37.9
Power Factor	0.8 leading to 0.8 lagging							
Output Frequency and Voltage	50/60Hz; 3L/N/PE 220/380, 230/400Vac							
Grid Type	Three Phase							
Total Harmonic Distortion (THD)	<3% (of nominal power)							
DC Current Injection	<0.5% I <sub>n</sub>							
<b>Efficiency</b>								
Max. Efficiency	97.60%							
Euro Efficiency	97.00%							
MPPT Efficiency	99.90%							
<b>Protection</b>								
Integrated	Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge Protection							
Over Voltage Category	DC Type II/AC Type III							
<b>Certifications and Standards</b>								
Grid Regulation	VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150							
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2							
<b>General Data</b>								
Operating Temperature Range (°C)	-40-60°C, >45°C Derating							
Cooling	Smart Cooling							
Noise (dB)	≤55 dB							
Communication with BMS	RS485; CAN							
Weight (kg)	30.5							
Cabinet Size (WxHxD mm)	408×638×237 (Excluding Connectors and Brackets)							
Protection Degree	IP65							
Installation Style	Wall-mounted							
Warranty	5 Years (10 Years Optional)							

\*Note: Five units in parallel has realized, ten units in parallel is under testing. Must use the inverters of the same model for parallel connecting.





# Deye

## BENEFITS

- ✓ 40V - 700V Battery Voltages
- ✓ Compatible with many battery manufacturers
- ✓ 2 MPPTs with 2 or 2+1 inputs (Maximum Power Point Tracking)
- ✓ Operating Temperatures up to 60°C
- ✓ Max. 10 pcs parallel for on/off grid operation
- ✓ Plug & Play Installation
- ✓ Online Monitoring and Control

## WARRANTY & PRICE

- ✓ **15** Years Hybrid Energy project warranty
- ✓ 5 Years product warranty
- ✓ Best price on the market



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Energy



Model	SUN-29.9K-SG01HP3 -EU-BM3	SUN-30K-SG01HP3 -EU-BM3	SUN-35K-SG01HP3 -EU-BM3	SUN-40K-SG01HP3 -EU-BM4	SUN-50K-SG01HP3 -EU-BM4
<b>Battery Input Data</b>					
Battery Type	Lithium-ion				
Battery Voltage Range (V)	160-800				
Max. Charging Current (A)	50+50				
Max. Discharging Current (A)	50+50				
Number of Battery Input	2				
Charging Strategy for Li-Ion Battery	Self-adaption to BMS				
<b>PV String Input Data</b>					
Max. DC Input Power (W)	38870	39000	45500	52000	65000
Max. DC Input Voltage (V)	1000				
Start-up Voltage (V)	180				
MPPT Range (V)	150-850				
Full Load DC Voltage Range (V)	360-850	360-850	360-850	360-850	450-850
Rated DC Input Voltage (V)	600				
PV Input Current (A)	36+36+36	36+36+36	36+36+36	36+36+36+36	
Max. PV I <sub>sc</sub> (A)	55+55+55	55+55+55	55+55+55	55+55+55+55	
No. of MPP Trackers	3			4	
No. of Strings per MPP Tracker	2+2+2			2+2+2+2	
<b>AC Output Data</b>					
Rated AC Output Active Power (W)	29900	30000	35000	40000	50000
Max AC Output Active Power (W)	29900	33000	38500	44000	55000
AC Output Rated Current (A)	45.4/43.4	45.5/43.5	53.1/50.8	60.7/58	75.8/72.5
Max. AC Output Rated Current (A)	45.4/43.4	50/47.8	58.4/55.8	66.7/63.8	83.4/79.7
Max. Three-phase Unbalanced Output Current (A)	60	60	60	70	83.3
Max. Continuous AC Passthrough (A)	200				
Peak Power (Off Grid)	1.5 time of rated power, 10 S				
Generator Input/Smart Load /AC Couple Current (A)	45.4 / 200 / 45.4	45.5 / 200 / 45.5	53.1 / 200 / 53.1	60.7 / 200 / 60.7	75.8 / 200 / 75.8
Power Factor Adjustment Range	0.8 leading to 0.8 lagging				
Output Frequency and Voltage	50/60Hz; 3L/N/PE 220/380, 230/400Vac				
Grid Type	Three Phase				
Total Harmonic Distortion (THD)	<3% (of nominal power)				
DC Current Injection	<0.5% I <sub>n</sub>				
<b>Efficiency</b>					
Max. Efficiency	97.60%				
Euro Efficiency	97.00%				
MPPT Efficiency	99.90%				
<b>Protection</b>					
Integrated	Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge Protection				
Over Voltage Category	DC Type II/AC Type III				
<b>Certifications and Standards</b>					
Grid Regulation	VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150				
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2				
<b>General Data</b>					
Operating Temperature Range (°C)	-40-60°C, >45°C Derating				
Cooling	Smart Cooling				
Noise (dB)	≤65 dB				
Communication with BMS	RS485; CAN				
Weight (kg)	80				
Cabinet Size (WxHxD mm)	527×894×294 (Excluding Connectors and Brackets)				
Protection Degree	IP65				
Installation Style	Wall-mounted				
Warranty	5 Years (10 Years Optional)				

\*Note: Five units in parallel has realized, ten units in parallel is under testing. Must use the inverters of the same model for parallel connecting.

# Deye

## BENEFITS

- ✓ Max. Efficiency 98.7%
- ✓ 4 MPPTs with 3+3+3+3 inputs for maximal flexibility
- ✓ Operating Temperatures up to 65°C
- ✓ Low start-up voltage of 250V
- ✓ Smart (Fanless) cooling
- ✓ Online Monitoring and Control
- ✓ Plug & Play Installation
- ✓ Compact Design

## WARRANTY & PRICE

- ✓ **15** Years Hybrid Energy project warranty
- ✓ 5 Years product warranty
- ✓ Best price on the market

**15  
YEARS  
WARRANTY**

 **Hybrid**  
Energy



Model	SUN-60K-G	SUN-70K-G	SUN-75K-G	SUN-80K-G
<b>Input Side</b>				
Max. DC Input Power (kW)	78	91	97.5	104
Max. DC Input Voltage (V)	1000			
Start-up DC Input Voltage (V)	250			
MPPT Operating Range (V)	200-850			
Max. DC Input Current (A)	40+40+40+40			
Max. Short Circuit Current (A)	60+60+60+60			
No. of MPP Trackers	4			
No. of Strings per MPP Tracker	3+3+3+3	4+4+4+4		
<b>Output Side</b>				
Rated Output Power (kW)	60	70	75	80
Max. Active Power (kW)	66	77	82.5	88
Nominal Output Voltage / Range (V)	3L/N/PE 220/380V, 230/400V			
Rated Grid Frequency (Hz)	50 / 60 (Optional)			
Operating Phase	Three Phase			
Rated AC Grid Output Current (A)	90.9/87	106.1/101.5	113.6/108.7	121.2/115.9
Max. AC Output Current (A)	100/95.7	116.7/111.6	125/119.6	133.3/127.5
Output Power Factor	0.8 leading to 0.8 lagging			
Grid Current THD	<3%			
DC Injection Current (mA)	<0.5%			
Grid Frequency Range	45~55 or 55~65 (Optional)			
<b>Efficiency</b>				
Max. Efficiency	98.7%			
Euro Efficiency	98.3%			
MPPT Efficiency	>99%			
<b>Protection</b>				
DC Reverse-Polarity Protection	Yes			
AC Short Circuit Protection	Yes			
AC Output Overcurrent Protection	Yes			
Output Overvoltage Protection	Yes			
Insulation Resistance Protection	Yes			
Ground Fault Monitoring	Yes			
Anti-islanding Protection	Yes			
Temperature Protection	Yes			
Integrated DC Switch	Yes			
Remote Software upload	Yes			
Remote Change of Operating Parameters	Yes			
Surge Protection	DC Type II / AC Type II			
<b>General Data</b>				
Cabinet Size (WxHxD mm)	700×575×297 (Excluding Connectors and Brackets)			
Weight (kg)	60			
Topology	Transformerless			
Internal Consumption	<1W (Night)			
Running Temperature	-25-65°C, >45°C Derating			
Ingress Protection	IP65			
Noise Emission (Typical)	≤50 dB	≤55 dB		
Cooling Concept	Smart Cooling			
Permissible Altitude (m)	2000			
Warranty	5 Years			
Grid Connection Standard	VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150			
Operating Surroundings Humidity	0-100%			
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2			
<b>Features</b>				
DC Connection	MC-4 Mateable			
AC Connection	IP65 Rated Plug			
Display	LCD 240 × 160			
Interface	RS485/RS232/Wifi/LAN			

# Deye

## BENEFITS

- ✓ Max. Efficiency 98.8%
- ✓ 6 MPPTs with 4+4+4+4+4+4 inputs for maximal flexibility
- ✓ Operating Temperatures up to 65°C
- ✓ 150kWp PV Capacity
- ✓ Smart (Fanless) cooling
- ✓ Plug & Play Installation



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## WARRANTY & PRICE

- ✓ **15** Years Hybrid Energy project warranty
- ✓ 5 Years product warranty
- ✓ Best price on the market

**15  
YEARS  
WARRANTY**



 **Hybrid**  
Energy

Model	SUN-70K-G03	SUN-75K-G03	SUN-80K-G03	SUN-90K-G03	SUN-100K-G03	SUN-110K-G03
<b>Input Side</b>						
Max. DC Input Power (kW)	91	97.5	104	135	150	150
Max. DC Input Voltage (V)	1000					
Start-up DC Input Voltage (V)	250					
MPPT Operating Range (V)	200-850					
Max. DC Input Current (A)	40+40+40+40			40+40+40+40+40+40		
Max. Short Circuit Current (A)	60+60+60+60			60+60+60+60+60+60		
No. of MPP Trackers	4			6		
No. of Strings per MPP Tracker	4+4+4+4			4+4+4+4+4+4		
<b>Output Side</b>						
Rated Output Power (kW)	70	75	80	90	100	110
Max. Active Power (kW)	77	82.5	88	99	110	121
Nominal Output Voltage / Range (V)	3L/N/PE 220/380V, 230/400V					
Rated Grid Frequency (Hz)	50 / 60 (Optional)					
Operating Phase	Three Phase					
Rated AC Grid Output Current (A)	106.1/101.5	113.6/108.7	121.2/115.9	136.4/130.4	151.5/144.9	166.7/159.4
Max. AC Output Current (A)	116.7/111.6	125/119.6	133.3/127.5	150/143.5	166.7/159.4	183.3/175.4
Output Power Factor	0.8 leading to 0.8 lagging					
Grid Current THD	<3%					
DC Injection Current (mA)	<0.5%					
Grid Frequency Range	45~55 or 55~65 (Optional)					
<b>Efficiency</b>						
Max. Efficiency	98.8%					
Euro Efficiency	98.3%					
MPPT Efficiency	>99%					
<b>Protection</b>						
DC Reverse-Polarity Protection	Yes					
AC Short Circuit Protection	Yes					
AC Output Overcurrent Protection	Yes					
Output Overvoltage Protection	Yes					
Insulation Resistance Protection	Yes					
Ground Fault Monitoring	Yes					
Anti-islanding Protection	Yes					
Temperature Protection	Yes					
Integrated DC Switch	Yes					
Remote Software Upload	Yes					
Remote Change of Operating Parameters	Yes					
Surge Protection	DC Type II / AC Type II					
<b>General Data</b>						
Cabinet Size (WxHxD mm)	838×568×326 (Excluding Connectors and Brackets)					
Weight (kg)	81					
Topology	Transformerless					
Internal Consumption	<1W (Night)					
Running Temperature	-25-65°C, >45°C Derating					
Ingress Protection	IP65					
Noise Emission (Typical)	≤55 dB					
Cooling Concept	Smart Cooling					
Permissible Altitude (m)	4000					
Warranty	5 Years					
Grid Connection Standard	VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150					
Operating Surroundings Humidity	0-100%					
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2					
<b>Features</b>						
DC Connection	MC-4 Mateable					
AC Connection	IP65 Rated Plug					
Display	LCD 240 × 160					
Interface	RS485/RS232/Wifi/LAN					

# Deye

## BENEFITS

- ✓ Max. Efficiency 98.8%
- ✓ 8 MPPTs with 4+4+4+4+4+4+4+4 inputs for maximal flexibility
- ✓ Operating Temperatures up to 60°C
- ✓ High PV input voltage of 1,100V
- ✓ Smart (Fanless) cooling
- ✓ Plug & Play Installation

## WARRANTY & PRICE

- ✓ **15** Years Hybrid Energy project warranty
- ✓ 5 Years product warranty
- ✓ Best price on the market

**15  
YEARS  
WARRANTY**

 **Hybrid**  
Energy



COMITATO  
ELETTROTECNICO  
ITALIANO



Model	SUN-120K-G01P3 -EU-AM8	SUN-125K-G01P3 -EU-AM8	SUN-130K-G01P3 -EU-AM8	SUN-135K-G01P3 -EU-AM8	SUN-136K-G01P3 -EU-AM8
<b>Input Side</b>					
Max. DC Input Power (kW)	180	187.5	195	202.5	204
Max. DC Input Voltage (V)	1100				
Start-up DC Input Voltage (V)	250				
MPPT Operating Range (V)	200-1000				
Max. DC Input Current (A)	40+40+40+40+40+40+40+40				
Max. Short Circuit Current (A)	60+60+60+60+60+60+60+60				
No. of MPP Trackers	8				
No. of Strings per MPP Tracker	4+4+4+4+4+4+4+4				
<b>Output Side</b>					
Rated Output Power (kW)	120	125	130	135	136
Max. Active Power (kW)	132	135	135	135	136
Nominal Output Voltage / Range (V)	3L/N/PE 220/380V, 230/400V				
Rated Grid Frequency (Hz)	50 / 60 (Optional)				
Operating Phase	Three Phase				
Rated AC Grid Output Current (A)	181.9/174	189.4/181.2	197/188.5	204.6/195.7	206.1/197.2
Max. AC Output Current (A)	200/191.4	204.6/195.7	204.6/195.7	204.6/195.7	206.1/197.2
Output Power Factor	>0.99				
Grid Current THD	<3%				
DC Injection Current (mA)	<0.5%				
Grid Frequency Range	47-52 or 57-62 (Optional)				
<b>Efficiency</b>					
Max. Efficiency	98.8%				
Euro Efficiency	98.3%				
MPPT Efficiency	>99%				
<b>Protection</b>					
DC Reverse-Polarity Protection	Yes				
AC Short Circuit Protection	Yes				
AC Output Overcurrent Protection	Yes				
Output Overvoltage Protection	Yes				
Insulation Resistance Protection	Yes				
Ground Fault Monitoring	Yes				
Anti-islanding Protection	Yes				
Temperature Protection	Yes				
Integrated DC Switch	Yes				
Remote Software Upload	Yes				
Remote Change of Operating Parameters	Yes				
Surge Protection	DC Type II / AC Type II				
<b>General Data</b>					
Cabinet Size (WxHxD mm)	1006×516×325.5 (Excluding Connectors and Brackets)				
Weight (kg)	103				
Topology	Transformerless				
Internal Consumption	<1W (Night)				
Running Temperature	-25-60 , >45 Derating				
Ingress Protection	IP65				
Noise Emission (Typical)	≤65 dB				
Cooling Concept	Smart Cooling				
Permissible Altitude (m)	4000				
Designed Lifetime	>20 Years				
Grid Connection Standard	VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1G98, G99, C10-11, UNE217002, NBR16149/NBR16150				
Operating Surroundings Humidity	0-100%				
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2				
<b>Features</b>					
DC Connection	MC-4 Mateable				
AC Connection	IP65 Rated Plug				
Display	LCD 240 × 160				
Interface	RS485/RS232/Wifi/LAN				