

Deye

Clean Power For You

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Note: The technical data above mentioned may be updated or revised due to product development. The data in this brochure is subject to change without notice. The latest datasheet and catalogue can be acquired via market@deye.com.cn

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Deye Inverter



www.deyeinverter.com



Market@Deye.com.cn



World-leading Energy Storage System Provider

Stock Code: 605117.SH

Choose Deye – Choose a Green and Healthy Life

Deye
2023



Deye

Company Profile

1

Ningbo Deye Inverter Technology Co., Ltd, founded in 2007 with registered capital 56 million USD, is one of the China's high-tech enterprises and a subsidiary of Deye Group. With a plant area over 15,000m² and complete production and testing equipment, Deye has become a major player in the global solar inverter market.

2

Ningbo Deye Inverter Technology Co., Ltd is dedicated to providing complete photovoltaic power system solutions, including residential and commercial power plants solutions. Also, Deye offers solar energy storage system solutions. Among them, PV grid-connected inverter power range from 1.5-110kW, Hybrid inverter 3kW-50kW, and microinverter 300W-2000W.

3

As a technology-oriented company, Deye has always been committing to research and develop new cutting-edge technologies to provide efficiency and reliable products. For example, Deye adopts T-type three-level topology and enhanced SVPWM algorithm to further improve the conversion efficiency by 0.7% compared with common SPWM. With frequency droop control technology, Deye string inverter is able to work with diesel generator, which greatly expands the scope of the product application.

4

Deye New Energy Australia, a subsidiary of Deye, is focused on serving our local Australian clients better. We are establishing local warehouses and on-site technical services to enhance operations and ensure prompt, efficient service tailored to our customers' needs.



Read more

Milestones

2022

Launched the latest generation of 50kW hybrid inverter, equipped with independent two-way battery terminal port.

2021

Deye Group was successfully listed on SSE of China in 2021, Stock Code 605117.SH.

30,000 pcs +

By the end of 2019, with total shipments 30,000+, Deye hybrid inverter has become Top 3 in South Africa, Pakistan and Top 1 Chinese brand in USA.

2017

Deye has launched first generation hybrid inverter and attracted a lot of attention with many unique features such as V/f droop control technology and battery DC / DC topology etc...

2007

Founded in 2007 with registered capital of 56 million USD.

LIMITLESS

Core Technology

Deye hybrid inverter 3-50kW with 230/240/400Vac

4

Automatic switching time 4ms

6

6 time periods for battery charging/discharging

16

V/f droop control, Max. 16pcs in parallel

24

Supports using diesel generator to charge battery directly, ensuring system energy supply 7* 24H

96.5

Max. conversion efficiency of 97.6%;
Max. battery charge efficiency of 96.5%

290

Max. charging/discharging current of 290A



Capable | Intelligent | User-friendly | Safety

Reduce your electricity bill and improve your energy independence

Your ideal residential solar energy storage solution

Core Features

Deye grid-connected inverter 1-136kW

- ✓ Max. 8 MPP trackers, Max. efficiency up to 98.9%
- ✓ High DC/AC ratio 1.5 times for more yields
- ✓ Wide output voltage range 277-520Vac
- ✓ Zero export application, response speed within 0.5S
- ✓ T-type three-level topology and enhanced SVPWM
- ✓ Type II DC / AC SPD, frequency droop control technology
- ✓ Max. DC input current of 16A/string, adapt to 600W solar panel
- ✓ String intelligent monitoring (optional), Ani-PID function (Optional)



Deye Inverter Portfolio



Three Phase String Inverter



Three Phase Hybrid Inverter



Single Phase Hybrid Inverter



Single Phase String Inverter



Accessory & monitoring





World-Class Components Suppliers

Deye chooses world-class suppliers to ensure the high quality of its products.

MOSFET, IGBT



Complete Manufacturing System



IC



Capacitor, Inductor



Diode



Relay









FAN



Single Phase String Inverter

SUN- 3K-G04-AU



-  1 MPPT trackers, Max. efficiency up to 97.5%
-  Zero export application, VSG application
-  String intelligent monitoring (optional)
-  Wide output voltage range
-  Anti-PID function (Optional)
-  Low start-up voltage of 80V







Technical Data

Model		SUN-3K-G04-AU
Input Side		
Max. PV Input Power (kW)		4.5
Max. PV Input Voltage (V)		550
Start-up PV Input Voltage (V)		80
MPPT Operating Range (V)		70-500
Max. PV Input Current (A)		13
Max. Short Circuit Current (A)		19.5
Number of MPPT / Strings per MPPT		1/1
Output Side		
Rated Output Power (kW)		3
Max. Active Power (kW)		3
Nominal Output Voltage / Range (V)		L/N/PE 230/400V 0.85Un-1.1Un
Rated Grid Frequency (Hz)		50 / 60 (Optional)
Operating Phase		Single phase
Rated AC Grid Output Current (A)		13
Max. AC Output Current (A)		13
Output Power Factor		0.8 leading to 0.8 lagging
Total Harmonics Current Distortion (THDi)		<3%
DC Injection Current (mA)		<0.5%
Grid Frequency Range		45-55 or 55-65 (Optional)
Efficiency		
Max. Efficiency		97.5%
Euro Efficiency		97.0%
MPPT Efficiency		>99%
Protection		
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
General Data		
Size (mm)		280W×310H×184D (Excluding connectors and brackets)
Weight (kg)		4.8
Topology		Transformerless
Internal Consumption		<1W (Night)
Running Temperature		-25 to +65 , >45 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		AS/NZS 4777.2
Operating Surroundings Humidity		0-100%
Safety EMC / Standard		IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2
Features		
DC Connection		VP-D4B
AC Connection		IP65 rated plug
Display		LCD1602
Interface		RS485/RS232/Wifi/LAN

Single Phase String Inverter

SUN- 3.6/5/6K-G04-AU



-  2 MPPT trackers, Max. efficiency up to 97.5%
-  Zero export application, VSG application
-  String intelligent monitoring (optional)
-  Wide output voltage range
-  Anti-PID function (Optional)
-  Low start-up voltage of 80V






Technical Data

Model	SUN-3.6K-G04-AU	SUN-5K-G04-AU	SUN-6K-G04-AU
Input Side			
Max. PV Input Power (kW)	5.4	7.5	9
Max. PV Input Voltage (V)	550		
Start-up PV Input Voltage (V)	80		
MPPT Operating Range (V)	70-500		
Max. PV Input Current (A)	13+13		
Max. Short Circuit Current (A)	19.5+19.5		
Number of MPPT / Strings per MPPT	2/1		
Output Side			
Rated Output Power (kW)	3.6	5	6
Max. Active Power (kW)	3.6	5	6
Nominal Output Voltage / Range (V)	L/N/PE 230/400V 0.85Un-1.1Un		
Rated Grid Frequency (Hz)	50 / 60 (Optional)		
Operating Phase	Single phase		
Rated AC Grid Output Current (A)	15.7	21.7	26.1
Max. AC Output Current (A)	15.7	21.7	26.1
Output Power Factor	0.8 leading to 0.8 lagging		
Total Harmonics Current Distortion (THDi)	<3%		
DC Injection Current (mA)	<0.5%		
Grid Frequency Range	45-55 or 55-65 (Optional)		
Efficiency			
Max. Efficiency	97.3%	97.5%	97.5%
Euro Efficiency	96.9%	97.0%	97.0%
MPPT Efficiency	>99%		
Protection			
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		
General Data			
Size (mm)	330W×323H×190D (Excluding connectors and brackets)		
Weight (kg)	8		
Topology	Transformerless		
Internal Consumption	<1W (Night)		
Running Temperature	-25 to +65		
Ingress Protection	IP65		
Noise Emission (Typical)	≤ 35 dB		
Cooling Concept	Natural cooling		
Max. Operating Altitude Without Derating	2000m		
Warranty	5 Years		
Grid Connection Standard	AS/NZS 4777.2		
Operating Surroundings Humidity	0-100%		
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2		
Features			
DC Connection	VP-D4B		
AC Connection	IP65 rated plug		
Display	LCD1602		
Interface	RS485/RS232/Wifi/LAN		

Three Phase String Inverter

SUN- 3/5/6/8/10/12K-G05-AU



-  2 MPPT trackers, Max. efficiency up to 98.3%
-  Zero export application, VSG application
-  String intelligent monitoring (optional)
-  Wide output voltage range
-  Anti-PID function (Optional)






Technical Data

Model	SUN-3K-G05-AU	SUN-5K-G05-AU	SUN-6K-G05-AU	SUN-8K-G05-AU	SUN-10K-G05-AU	SUN-12K-G05-AU
Input Side						
Max. PV Input Power (kW)	4.5	7.5	9	12	15	18
Max. PV Input Voltage (V)	1000					
Start-up PV Input Voltage (V)	140					
MPPT Operating Range (V)	120-850					
Max. PV Input Current (A)	13+13					
Max. Short Circuit Current (A)	19.5+19.5					
Number of MPPT / Strings per MPPT	2/1					
Output Side						
Rated Output Power (kW)	3	5	6	8	10	12
Max. Active Power (kW)	3	5	6	8	10	12
Nominal Output Voltage / Range (V)	3L/N/PE 400V/340V-440V					
Rated Grid Frequency (Hz)	50 / 60 (Optional)					
Operating Phase	Three phase					
Rated AC Grid Output Current (A)	4.3	7.2	8.7	11.6	14.5	17.4
Max. AC Output Current (A)	4.3	7.2	8.7	11.6	14.5	17.4
Output Power Factor	0.8 leading to 0.8 lagging					
Total Harmonics Current Distortion (THDi)	<3%					
DC Injection Current (mA)	<0.5%					
Grid Frequency Range	45-55 or 55-65 (Optional)					
Efficiency						
Max. Efficiency	98.1%	98.2%			98.3%	
Euro Efficiency	97.5%	97.6%			97.8%	
MPPT Efficiency	>99%					
Protection						
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					
General Data						
Size (mm)	332W×457H×203D (Excluding connectors and brackets)					
Weight (kg)	11					
Topology	Transformerless					
Internal Consumption	<1W (Night)					
Running Temperature	-25 to +65					
Ingress Protection	IP65					
Noise Emission (Typical)	≤ 30 dB					
Cooling Concept	Natural cooling					
Max. Operating Altitude Without Derating	4000m					
Warranty	5 Years					
Grid Connection Standard	AS/NZS 4777.2					
Operating Surroundings Humidity	0-100%					
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2					
Features						
DC Connection	VP-D4B					
AC Connection	IP65 rated plug					
Display	LCD1602					
Interface	RS485/RS232/Wifi/LAN					

Three Phase String Inverter

SUN- 15K-G05-AU



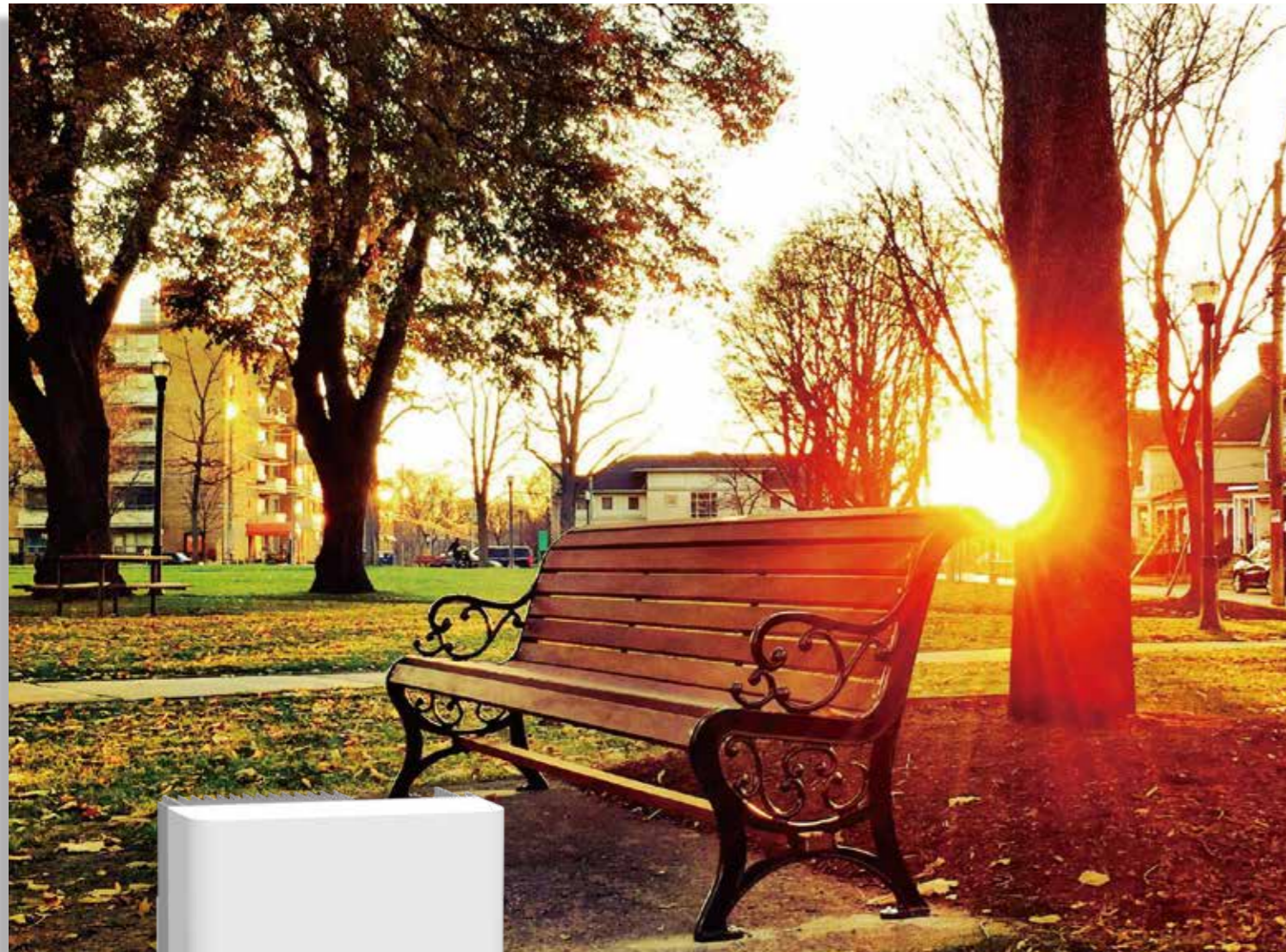
-  2 MPPT trackers, Max. efficiency up to 98.5%
-  Zero export application, VSG application
-  String intelligent monitoring (optional)
-  Wide output voltage range
-  Anti-PID function (Optional)






Technical Data

Model		SUN-15K-G05-AU
Input Side		
Max. PV Input Power (kW)		22.5
Max. PV Input Voltage (V)		1000
Start-up PV Input Voltage (V)		250
MPPT Operating Range (V)		200 - 850
Max. PV Input Current (A)		13+26
Max. Short Circuit Current (A)		19.5+39
Number of MPPT / Strings per MPPT		2/1+2
Output Side		
Rated Output Power (kW)		15
Max. Active Power (kW)		15
Nominal Output Voltage / Range (V)		3L/N/PE 400V/340V-440V
Rated Grid Frequency (Hz)		50 / 60 (Optional)
Operating Phase		Three phase
Rated AC Grid Output Current (A)		21.8
Max. AC Output Current (A)		21.8
Output Power Factor		0.8 leading to 0.8 lagging
Total Harmonics Current Distortion (THDi)		<3%
DC Injection Current (mA)		<0.5%
Grid Frequency Range		45-55 or 55-65 (Optional)
Efficiency		
Max. Efficiency		98.5%
Euro Efficiency		90.0%
MPPT Efficiency		>99%
Protection		
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
General Data		
Size (mm)		332W×472H×203D (Excluding connectors and brackets)
Weight (kg)		15
Topology		Transformerless
Internal Consumption		<1W (Night)
Running Temperature		-25 to +65
Ingress Protection		IP65
Noise Emission (Typical)		≤40 dB
Cooling Concept		Smart cooling
Max. Operating Altitude Without Derating		4000m
Warranty		5 years
Grid Connection Standard		AS/NZS 4777.2
Operating Surroundings Humidity		0-100%
Safety EMC / Standard		IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2
Features		
DC Connection		VP-D4B
AC Connection		IP65 rated plug
Display		LCD1602
Interface		RS485/RS232/Wifi/LAN

Three Phase String Inverter

SUN- 18/20/25K-G05-AU



-  2 MPP trackers, Max. efficiency up to 98.6%
-  Zero export application, VSG application
-  String intelligent monitoring (optional)
-  Wide output voltage range
-  Anti-PID function (Optional)







Technical Data

Model	SUN-18K-G05-AU	SUN-20K-G05-AU	SUN-25K-G05-AU
Input Side			
Max. PV Input Power (kW)	27	30	37.5
Max. PV Input Voltage (V)	1000		
Start-up PV Input Voltage (V)	250		
MPPT Operating Range (V)	200-850		
Max. PV Input Current (A)	39+39		
Max. Short Circuit Current (A)	26+26		
Number of MPPT / Strings per MPPT	2/2+2		
Output Side			
Rated Output Power (kW)	18	20	25
Max. Active Power (kW)	18	20	25
Nominal Output Voltage / Range (V)	3L/N/PE 400V/340V-440V 415V/353V-457V		
Rated Grid Frequency (Hz)	50 / 60 (Optional)		
Operating Phase	Three phase		
Rated AC Grid Output Current (A)	26.1	29	36.2
Max. AC Output Current (A)	26.1	29	36.2
Output Power Factor	0.8 leading to 0.8 lagging		
Total Harmonics Current Distortion (THDi)	<3%		
DC Injection Current (mA)	<0.5%		
Grid Frequency Range	45-55 or 55-65 (Optional)		
Efficiency			
Max. Efficiency	98.5%		
Euro Efficiency	98.0%		
MPPT Efficiency	>99%		
Protection			
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		
General Data			
Size (mm)	362W×527H×220D (Excluding connectors and brackets)		
Weight (kg)	20		
Topology	Transformerless		
Internal Consumption	<1W (Night)		
Running Temperature	-25 to +65		
Ingress Protection	IP65		
Noise Emission (Typical)	≤ 50dB		
Cooling Concept	Smart cooling		
Max. Operating Altitude Without Derating	4000m		
Warranty	5 years		
Grid Connection Standard	AS/NZS 4777.2		
Operating Surroundings Humidity	0-100%		
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2		
Features			
DC Connection	VP-D4B		
AC Connection	IP65 rated plug		
Display	LCD1602		
Interface	RS485/RS232/Wifi/LAN		

Single Phase Hybrid Inverter

SUN- 3/3.6/5/6K-SG04LP1-AU



-  Colorful touch LCD, IP65 protection degree
-  AC couple to retrofit existing solar system
-  Max. 16pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel
-  Max. charging/discharging current of 135A
-  6 time periods for battery charging/discharging
-  Support storing energy from diesel generator







Technical Data

Model	SUN-3K -SG04LP1-24-AU	SUN-3K -SG04LP1-AU	SUN-3.6K -SG04LP1-AU	SUN-5K -SG04LP1-AU	SUN-6K -SG04LP1-AU
Battery Input Data					
Battery Type	Lead-acid or Li-Ion				
Battery Voltage Range (V)	20-30	40-60	40-60	40-60	40-60
Max. Charging Current (A)	140	70	90	120	135
Max. Discharging Current (A)	140	70	90	120	135
External Temperature Sensor	Yes				
Charging Curve	3 Stages / Equalization				
Charging Strategy for Li-Ion Battery	Self-adaption to BMS				
PV String Input Data					
Max. PV Input Power (W)	4500	4500	5400	7500	9000
Rated PV Input Voltage (V)	370 (125~500)				
Start-up Voltage (V)	125				
MPPT Voltage Range (V)	150~425				
Full Load PV Voltage Range (V)	300~425				
PV Input Current (A)	13		13+13		
Max. PV I _{sc} (A)	19.5		19.5+19.5		
Number of MPPT / Strings per MPPT	1/1		2/1+1		
AC Output Data					
Rated AC Output and UPS Power (VA)	3000		3600	5000	6000
Max. AC Output Power (W)	3000		3600	5000	6000
AC Output Rated Current (A)	13		15.7	21.7	26.1
Max. AC Output Current (A)	13		15.7	21.7	26.1
Max. Continuous AC Passthrough (A)	35				40
Peak Power (off grid)	2 time of rated power, 10 S				
Power Factor	0.8 leading to 0.8 lagging				
Output Frequency and Voltage	230/400V 240/415V 0.85Un-1.1Un				
Grid Connection Form	L+N+PE				
Total Harmonics Current Distortion (THDi)	< 3% (of nominal power)				
DC current injection	<0.5% I _n				
Efficiency					
Max. Efficiency	97.60%				
Euro Efficiency	96.50%				
MPPT Efficiency	99.90%				
Protection					
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				
Certifications and Standards					
Grid Regulation	AS/NZS 4777.2				
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2				
General Data					
Operating Temperature Range ()	-40 to +60 , >45 derating				
Cooling	Free cooling				Smart cooling
Noise (dB)	<30 dB				
Communication with BMS	RS485; CAN				
Weight (kg)	17			17	
Size (mm)	333W x 433H x 229D (Excluding connectors and brackets)				
Protection Degree	IP65				
Installation Style	Wall-mounted				
Warranty	5 Years/10 Years the Warranty Period Depends the Final Installation Site of Inverter, More Info Please Refer to Warranty Policy				

Single Phase Hybrid Inverter

SUN- 8K-SG05LP1-AU



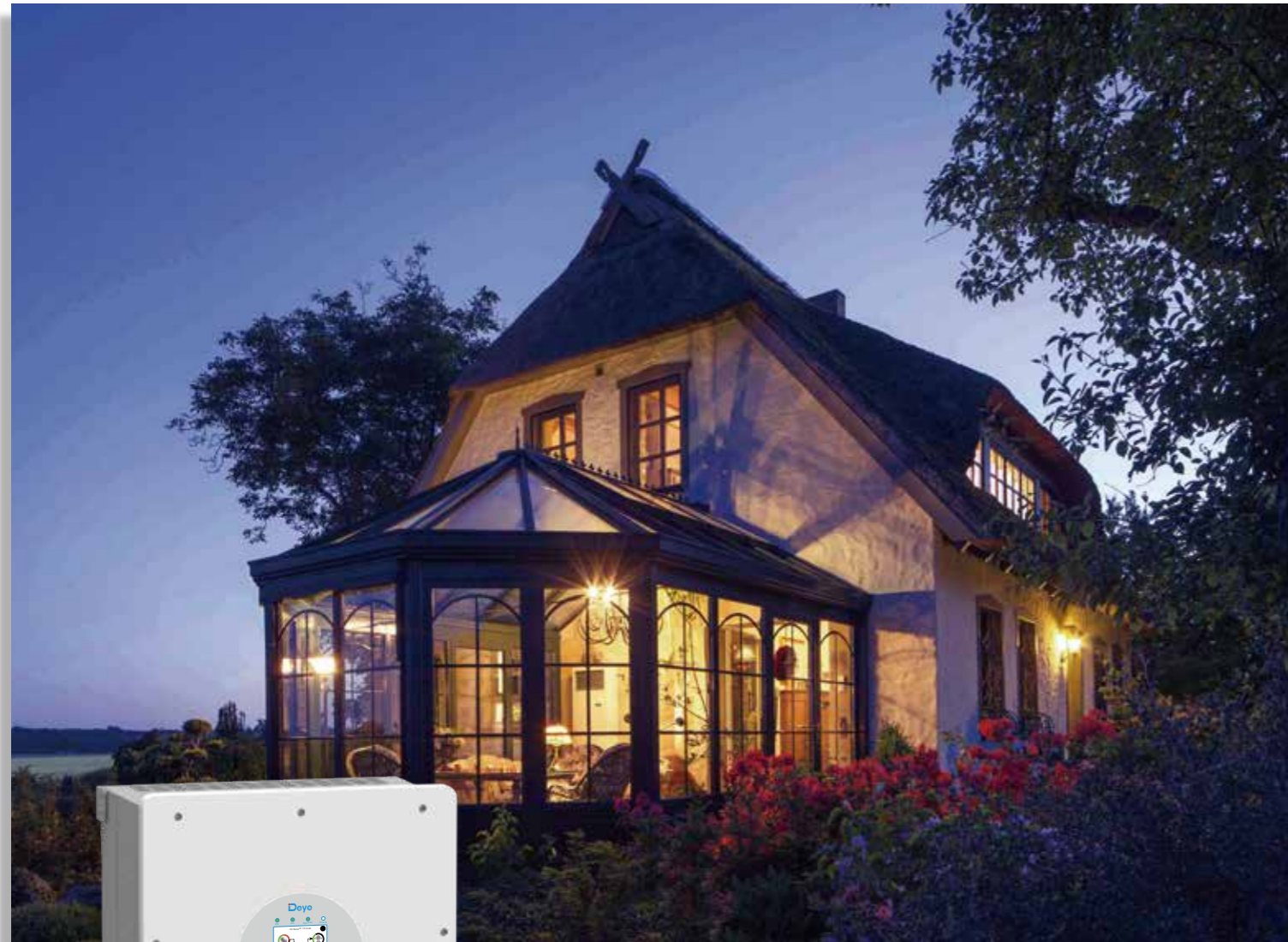
-  Colorful touch LCD, IP65 protection degree
-  AC couple to retrofit existing solar system
-  Max. 16pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel
-  Max. charging/discharging current of 190A
-  6 time periods for battery charging/discharging
-  Support storing energy from diesel generator







Technical Data

Model	SUN-8K-SG05LP1-AU
Battery Input Data	
Battery Type	Lead-acid or Li-Ion
Battery Voltage Range (V)	40-60
Max. Charging Current (A)	190
Max. Discharging Current (A)	190
External Temperature Sensor	Yes
Charging Curve	3 Stages / Equalization
Charging Strategy for Li-Ion Battery	Self-adaption to BMS
PV String Input Data	
Max. PV Input Power (W)	12000
Rated PV Input Voltage (V)	370 (125-500)
Start-up Voltage (V)	125
MPPT Voltage Range (V)	150-425
Full Load PV Voltage Range (V)	200-425
PV Input Current (A)	26+26
Max. PV I _{sc} (A)	39+39
Number of MPPT / Strings per MPPT	2/2+2
AC Output Data	
Rated AC Output and UPS Power (VA)	8000
Max. AC Output Power (W)	8000
AC Output Rated Current (A)	34.8
Max. AC Output Current (A)	34.8
Max. Continuous AC Passthrough (A)	50
Peak Power (off grid)	2 time of rated power, 10 S
Power Factor	0.8 leading to 0.8 lagging
Output Frequency and Voltage	50Hz; L/N/PE 230/400, 240/415Vac
Grid Connection Form	L+N+PE
Total Harmonics Current Distortion (THDi)	< 3% (of nominal power)
DC current injection	<0.5% I _n
Efficiency	
Max. Efficiency	97.60%
Euro Efficiency	96.50%
MPPT Efficiency	99.90%
Protection	
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
Certifications and Standards	
Grid Regulation	AS/NZS 4777.2
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2
General Data	
Operating Temperature Range ()	-40 to +60 , >45 derating
Cooling	Natural cooling
Noise (dB)	<30 dB
Communication with BMS	RS485; CAN
Weight (kg)	24.9
Size (mm)	330W x 580H x232D (Excluding connectors and brackets)
Protection Degree	IP65
Installation Style	Wall-mounted
Warranty	5 Years/10 Years the Warranty Period Depends the Final Installation Site of Inverter, More Info Please Refer to Warranty Policy

Single Phase Hybrid Inverter

SUN- 12/14/16K-SG01LP1-AU



-  Colorful touch LCD, IP65 protection degree
-  AC couple to retrofit existing solar system
-  Max. 16pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel
-  Max. charging/discharging current of 290A
-  6 time periods for battery charging/discharging
-  Support storing energy from diesel generator

Technical Data

Model	SUN-12K-SG01LP1-AU	SUN-14K-SG01LP1-AU	SUN-16K-SG01LP1-AU
Battery Data			
Battery Type	Lead-acid or Li-Ion		
Battery Voltage Range (V)	40-60		
Max. Charging Current (A)	220	250	290
Max. Discharging Current (A)	220	250	290
External Temperature Sensor	Yes		
Charging Curve	3 Stages / Equalization		
Charging Strategy for Li-Ion Battery	Self-adaption to BMS		
PV String Input Data			
Max. PV Input Power (W)	18000	21000	24000
Max. PV Input Voltage (V)	500		
Start-up Voltage (V)	125		
MPPT Range (V)	150-425		
Rated PV Input Voltage (V)	370		
PV Input Current (A)	26+26+26		
Max. PV I _{SC} (A)	44+44+44		
No.of MPP Trackers	3		
No.of Strings per MPP Tracker	2		
AC Output Data			
Rated AC Output Power (W)	12000	14000	16000
Max AC Output Active Power (W)	12000	14000	16000
Rated AC Output Current (A)	52.2	60.9	69.6
Max. AC Output Current (A)	52.2	60.9	69.6
Max. Continuous AC Passthrough (A)	100		
Peak Power (off grid)	2 time of rated power, 5 S		
Power Factor	0.8 leading to 0.8 lagging		
Output Frequency and Voltage	50/60Hz; L/N/PE 230/400, 240/415Vac		
Grid Connection Form	L+N+PE		
Total Harmonics Current Distortion (THDi)	< 3% (of nominal power)		
DC current injection	<0.5% I _n		
Backup Data			
Backup Power (W)	10000	12000	14000
Backup Rated Current (A)	45.5/43.5	54.5/52.2	63.6/60.9
Backup UPS	6ms Automatic switchover time		
Efficiency			
Max. Efficiency	97.60%		
Euro Efficiency	96.50%		
MPPT Efficiency	99.90%		
Protection			
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		
Certifications and Standards			
Grid Regulation	AS/NZS 4777.2		
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2		
General Data			
Operating Temperature Range ()	-40 to +60 , >45 derating		
Cooling	Smart cooling		
Noise (dB)	<30 dB		
Communication with BMS	RS485; CAN		
Weight (kg)	48		
Size (mm)	464W×763H×282D (Excluding connectors and brackets)		
Protection Degree	IP65		
Installation Style	Wall-mounted		
Warranty	5 Years/10 Years the Warranty Period Depends the Final Installation Site of Inverter, More Info Please Refer to Warranty Policy		

Three Phase Hybrid Inverter

SUN- 5/6/8/10/12K-SG04LP3-AU



- 100** 100% unbalanced output, each phase; Max. output up to 50% rated power
- AC** AC couple to retrofit existing solar system
- 10** Max. 10pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel
- 240** Max. charging/discharging current of 240A
- 48** 48V low voltage battery, transformer isolation design
- 6** 6 time periods for battery charging/discharging
- Generator** Support storing energy from diesel generator

Technical Data

Model	SUN-5K -SG04LP3-AU	SUN-6K -SG04LP3-AU	SUN-8K -SG04LP3-AU	SUN-10K -SG04LP3-AU	SUN-12K -SG04LP3-AU
Battery Input Data					
Battery Type	Lead-acid or Li-Ion				
Battery Voltage Range (V)	40-60				
Max. Charging Current (A)	120	150	190	210	240
Max. Discharging Current (A)	120	150	190	210	240
External Temperature Sensor	Yes				
Charging Curve	3 Stages / Equalization				
Charging Strategy for Li-Ion Battery	Self-adaption to BMS				
PV String Input Data					
Max. PV Input Power (W)	7500	9000	12000	15000	18000
Rated PV Input Voltage (V)	550 (160-800)				
Start-up Voltage (V)	160				
MPPT Voltage Range (V)	200-650				
Full Load PV Voltage Range (V)	350-650				
PV Input Current (A)	13+13			26+13	
Max. PV I _{sc} (A)	19.5+19.5			39+19.5	
Number of MPPT / Strings per MPPT	2/1+1			2/2+1	
AC Output Data					
Rated AC Output and UPS Power (W)	5000	6000	8000	10000	12000
Rated Apparent Output Power (VA)	5000	6000	8000	10000	12000
Max. AC Output Power (W)	5000	6000	8000	10000	12000
Rated AC Output Current (A)	7.2	8.7	11.6	14.5	17.4
Max. AC Output Current (A)	7.2	8.7	11.6	14.5	17.4
Max. Three-phase Unbalanced Output Current (A)	10.9	13	17.4	21.7	26.1
Max. Continuous AC Passthrough (A)	45				
Peak Power (off grid)	2 time of rated power, 10 S				
Power Factor	0.8 leading to 0.8 lagging				
Output Frequency and Voltage	50Hz; 3L/N/PE 230/400, 240/415Vac				
Grid Connection Form	3L+N+PE				
Total Harmonics Current Distortion (THDi)	< 3% (of nominal power)				
DC current injection	<0.5% I _n				
Efficiency					
Max. Efficiency	97.60%				
Euro Efficiency	97.00%				
MPPT Efficiency	99.90%				
Protection					
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				
Certifications and Standards					
Grid Regulation	AS/NZS 4777.2				
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2				
General Data					
Operating Temperature Range ()	-40 to +60 , >45 derating				
Cooling	Smart cooling				
Noise (dB)	≤55 dB				
Communication with BMS	RS485; CAN				
Weight (kg)	38				
Size (mm)	422W×658H×254D (Excluding connectors and brackets)				
Protection Degree	IP65				
Installation Style	Wall-mounted				
Warranty	5 Years/10 Years the Warranty Period Depends the Final Installation Site of Inverter, More Info Please Refer to Warranty Policy				

Three Phase Hybrid Inverter

SUN-5/6/8/10/12/15/20/25K-SG01HP3-AU-AM2



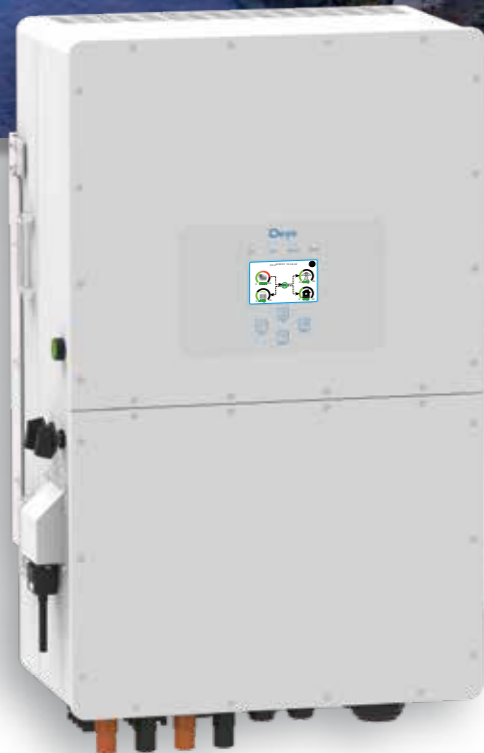
- 100** 100% unbalanced output, each phase
- AC** AC couple to retrofit existing solar system
- 10** Max. 10pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel
- 50** Max. charging/discharging current of 50A
- H** High voltage battery, higher efficiency
- 6** 6 time periods for battery charging/discharging
- Generator** Support storing energy from diesel generator



Technical Data

Model	SUN-5K-SG01 HP3-AU-AM2	SUN-6K-SG01 HP3-AU-AM2	SUN-8K-SG01 HP3-AU-AM2	SUN-10K-SG01 HP3-AU-AM2	SUN-12K-SG01 HP3-AU-AM2	SUN-15K-SG01 HP3-AU-AM2	SUN-20K-SG01 HP3-AU-AM2	SUN-25K-SG01 HP3-AU-AM2
Battery Input Data								
Battery Type	Lithium-ion							
Battery Voltage Range (V)	160-700							
Max. Charging Current (A)	30			37				50
Max. Discharging Current (A)	30			37				50
Number of battery input	1							
Charging Strategy for Li-Ion Battery	Self-adaption to BMS							
PV String Input Data								
Max. PV Input Power (W)	7500	9000	12000	15000	18000	22500	30000	37500
Max. PV Input Voltage (V)	1000							
Start-up Voltage (V)	180							
MPPT Range (V)	150-850							
Full Load PV Voltage Range (V)	195-850	195-850	260-850	325-850	340-850	420-850	500-850	625-850
Rated PV Input Voltage (V)	600							700
PV Input Current (A)	20+20			26+20			26+26	
Max. PV Isc(A)	30+30			39+30			39+39	
No. of MPP Trackers	2							
No. of Strings per MPP Tracker	1		2+1		2			
AC Output Data								
Rated AC Output and UPS Power (W)	5000	6000	8000	10000	12000	15000	20000	25000
Rated Apparent Output Power (VA)	5000	6000	8000	10000	12000	15000	20000	25000
Max. AC Output Power (W)	5000	6000	8000	10000	12000	15000	20000	25000
AC Output Rated Current (A)	7.3	8.7	11.6	14.5	17.4	21.8	29	36.3
Max. AC Output Current (A)	7.3	8.7	11.6	14.5	17.4	21.8	29	36.3
Max. Three-phase Unbalanced Output Current	13	13	18	22	25	30	35	41.7
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)	7.3/40/7.3	8.7/40/8.7	11.6/40/11.6	14.5/40/14.5	17.4/80/17.4	21.8/80/21.8	29/80/29	36.3/80/36.3
Power Factor	0.8 leading to 0.8 lagging							
Output Frequency and Voltage	50/60Hz; 3L/N/PE 230/400, 240/415Vac							
Grid Connection Form	3L+N+PE							
Total Harmonics Current Distortion (THDi)	<3% (of nominal power)							
DC current injection	<0.5% In							
Efficiency								
Max. Efficiency	97.60%							
Euro Efficiency	97.00%							
MPPT Efficiency	99.90%							
Protection								
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, Arc Fault Circuit Interruption (AFCI optional)							
Protection Level	Class I							
Over Voltage Category	DC Type II/AC Type III							
Certifications and Standards								
Grid Regulation	AS/NZS 4777.2							
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2							
General Data								
Operating Temperature Range ()	-40 to +60°C, >45°C derating							
Cooling	Free Cooling	Smart cooling						
Noise (dB)	≤55 dB							
Communication with BMS	RS485; CAN							
Weight (kg)	30.5							
Size (mm)	408W×638H×237D (Excluding connectors and brackets)							
Protection Degree	IP65							
Installation Style	Wall-mounted							
Inverter topology	Non-isolated							
Warranty	5 Years/10 Years the Warranty Period Depends the Final Installation Site of Inverter, More Info Please Refer to Warranty Policy							

Three Phase Hybrid Inverter

SUN-29.9/35 K-SG01HP3-AU-BM3
SUN-40/50 K-SG01HP3-AU-BM4



- 100** 100% unbalanced output, each phase
- H** High voltage battery, higher efficiency
-  AC couple to retrofit existing solar system
- 100** Max. charging/discharging current of 100A
- 10** *Max. 10 pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel
- 6** 6 time periods for battery charging/discharging
-  Support storing energy from diesel generator

Technical Data

Model	SUN-29.9K-SG01HP3-AU-BM3	SUN-35K-SG01HP3-AU-BM3	SUN-40K-SG01HP3-AU-BM4	SUN-50K-SG01HP3-AU-BM4
Battery Input Data				
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			
PV String Input Data				
Max. PV Input Power (W)	44850	52500	60000	75000
Max. PV Input Voltage (V)	1000			
Start-up Voltage (V)	180			
Min Input PV Operating Voltage Range (V)	180-1000			
MPPT Range (V)	150-850			
Full Load PV Voltage Range (V)	360-850	420-850	360-850	450-850
Rated PV Input Voltage (V)	600			
PV Input Current (A)	36+36+36	36+36+36	36+36+36+36	
Max. PV I _{sc} (A)	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	
AC Output Data				
Rated AC Output and UPS Power (W)	29900	35000	40000	50000
Rated Apparent Output Power (VA)	29900	35000	40000	50000
Max. AC Output Power (W)	29900	35000	40000	50000
AC Output Rated Current (A)	43.4	50.8	58	72.5
Max. AC Output Current (A)	43.4	50.8	58	72.5
Max. Three-phase Unbalanced Output Current (A)	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)	43.4 / 200 / 43.4	50.8 / 200 / 50.8	58 / 200 / 58	72.5 / 200 / 72.5
Power Factor Adjustment Range	0.8 leading to 0.8 lagging			
Output Frequency and Voltage	50/60Hz; 3L/N/PE 230/400, 240/415Vac			
Grid Connection Form	3L+N+PE			
Total Harmonics Current Distortion (THDi)	<3% (of nominal power)			
DC Current Injection	<0.5% I _n			
Efficiency				
Max. Efficiency	97.60%			
Euro Efficiency	97.00%			
MPPT Efficiency	99.90%			
Protection				
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, Arc Fault Circuit Interruption (AFCI optional)			
Protection Level	Class I			
Over Voltage Category	DC Type II/AC Type III			
Certifications and Standards				
Grid Regulation	AS/NZS 4777.2			
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2			
General Data				
Operating Temperature Range ()	-40 to +60°C, >45°C derating			
Cooling	Smart cooling			
Noise (dB)	≤65 dB			
Communication with BMS	RS485; CAN			
Weight (kg)	80			
Size (mm)	527W×894H×294D (Excluding connectors and brackets)			
Protection Degree	IP65			
Installation Style	Wall-mounted			
Inverter topology	Non-isolated			
Warranty	5 Years/10 Years the Warranty Period Depends the Final Installation Site of Inverter, More Info Please Refer to Warranty Policy			

Microinverter

SUN-M30/40/50G4-AU-Q0



- ✓ 1 MPP tracker, module level monitoring
- ✓ IP67 protection degree
- ✓ WIFI communication
- ✓ Rapid shutdown function
- ✓ Easy installation, suitable for quick-plug balcony PV system
- ✓ <100ms AC fast discharge, compliant with new required standard DIN VDE 0620-1 (<200ms) to protect human safety
- ✓ Complete NS protection with self-check function
- ✓ External relay advantage with low temperature, long life, easier maintenance
- ✓ 25 years design lifetime and 15 years warranty
- ✓ With integrate WIFI

Technical Data

Model	SUN-M30G4-AU-Q0	SUN-M40G4-AU-Q0	SUN-M50G4-AU-Q0
PV String Input Data			
Max. PV Input Power (W)	210-420(1 Pieces)	210-560(1 Pieces)	210-700(1 Pieces)
Max. PV Input Voltage (V)		60	
Start-up Voltage (V)		20	
MPPT Voltage Range (V)		25-55	
Rated PV Input Voltage (V)		42.5	
Max. Operating PV Input Current (A)		13	
Max. Input Short Circuit Current (A)		19.5	
No. of MPP Trackers/ No. of Strings per MPP Tracker		1/1	
AC Output Data			
Rated AC Output Active Power(W)	300	400	500
Max.AC Output Apparent Power(VA)	300	400	500
Rated AC Output current (A)	1.4/1.4	1.9/1.8	2.3/2.2
Max.AC Output Current(A)	1.4/1.4	1.9/1.8	4.3/2.2
Rated Output voltage/range (V)		220/230 0.85Un-1.1Un	
Grid Connection Form		L/N/PE	
Rated Output Grid Frequency/range(Hz)		50/45-55, 60/55-65	
Max. unit per branch	17	13	10
Power Factor Adjustment Range		0.8 leading to 0.8 lagging	
Total Current Harmonic Distortion THDi		<3%	
DC Injection Current		<0.5%In	
Efficiency			
Max. Efficiency		96.5%	
Euro Efficiency		96.0%	
MPPT Efficiency		>99%	
Equipment Protection			
DC Polarity Reverse Connection Protection		Yes	
AC Output Overcurrent Protection		Yes	
AC Output Overvoltage Protection		Yes	
AC Output Short Circuit Protection		Yes	
Thermal Protection		Yes	
DC Terminal Insulation Impedance Monitoring		Yes	
Power Network Monitoring		Yes	
Island Protection Monitoring		Yes	
Earth Fault Detection		Yes	
Overvoltage Load Drop Protection		Yes	
Interface			
Communication Interface		WiFi	
General Data			
Operating Temperature Range (°C)		-25 to +65°C, >45°C Derating	
Permissible Ambient Humidity		0-100%	
Permissible Altitude (m)		2000m	
Noise (dB)		≤25 dB	
Ingress Protection(IP) Rating		IP 67	
Inverter Topology		Isolated	
Over Voltage Category		OVC II(DC), OVC III(AC)	
Cabinet Size (WxHxD mm)		248.9×147×38.8 (Excluding Connectors and Brackets)	
Weight (kg)		1.8	
Warranty		15 Years	
Type of Cooling		Natural Cooling	
Grid Regulation		IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105	
Safety EMC/Standard		IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2	

Microinverter

SUN-M60/80/100G4-AU-Q0



- ✓ 2 MPP tracker, module level monitoring
- ✓ IP67 protection degree
- ✓ WIFI communication
- ✓ Rapid shutdown function
- ✓ Easy installation, suitable for quick-plug balcony PV system
- ✓ <100ms AC fast discharge, compliant with new required standard DIN VDE 0620-1 (<200ms) to protect human safety
- ✓ Complete NS protection with self-check function
- ✓ External relay advantage with low temperature, long life, easier maintenance
- ✓ 25 years design lifetime and 15 years warranty
- ✓ With integrate WIFI

Technical Data

Model	SUN-M60G4-AU-Q0	SUN-M80G4-AU-Q0	SUN-M100G4-AU-Q0
PV String Input Data			
Max. PV Input Power (W)	210-420(2 Pieces)	210-560(2 Pieces)	210-700(2 Pieces)
Max. PV Input Voltage (V)	60		
Start-up Voltage (V)	20		
MPPT Voltage Range (V)	25-55		
Rated PV Input Voltage (V)	42.5		
Max. Operating PV Input Current (A)	13+13		
Max. Input Short Circuit Current (A)	19.5+19.5		
No. of MPP Trackers/ No. of Strings per MPP Tracker	2/1		
AC Output Data			
Rated AC Output Active Power(W)	600	800	1000
Max.AC Output Apparent Power(VA)	600	800	1000
Rated AC Output current (A)	2.8/2.7	3.7/3.5	4.6/4.4
Max.AC Output Current(A)	2.8/2.7	3.7/3.5	4.6/4.4
Rated Output voltage/range (V)	220/230 0.85Un-1.1Un		
Grid Connection Form	L/N/PE		
Rated Output Grid Frequency/range(Hz)	50/45-55, 60/55-65		
Max. unit per branch	8	6	5
Power Factor Adjustment Range	0.8 leading to 0.8 lagging		
Total Current Harmonic Distortion THDi	<3%		
DC Injection Current	<0.5%In		
Efficiency			
Max. Efficiency	96.5%		
Euro Efficiency	96.0%		
MPPT Efficiency	>99%		
Equipment Protection			
DC Polarity Reverse Connection Protection	Yes		
AC Output Overcurrent Protection	Yes		
AC Output Overvoltage Protection	Yes		
AC Output Short Circuit Protection	Yes		
Thermal Protection	Yes		
DC Terminal Insulation Impedance Monitoring	Yes		
Power Network Monitoring	Yes		
Island Protection Monitoring	Yes		
Earth Fault Detection	Yes		
Overvoltage Load Drop Protection	Yes		
Interface			
Communication Interface	WiFi		
General Data			
Operating Temperature Range (°C)	-25 to +65°C, >45°C Derating		
Permissible Ambient Humidity	0-100%		
Permissible Altitude (m)	2000m		
Noise (dB)	≤25 dB		
Ingress Protection(IP) Rating	IP 67		
Inverter Topology	Isolated		
Over Voltage Category	OVC II(DC), OVC III(AC)		
Cabinet Size (WxHxD mm)	280.5×190×40 (Excluding Connectors and Brackets)		
Weight (kg)	3		
Warranty	15 Years		
Type of Cooling	Natural Cooling		
Grid Regulation	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105		
Safety EMC/Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2		

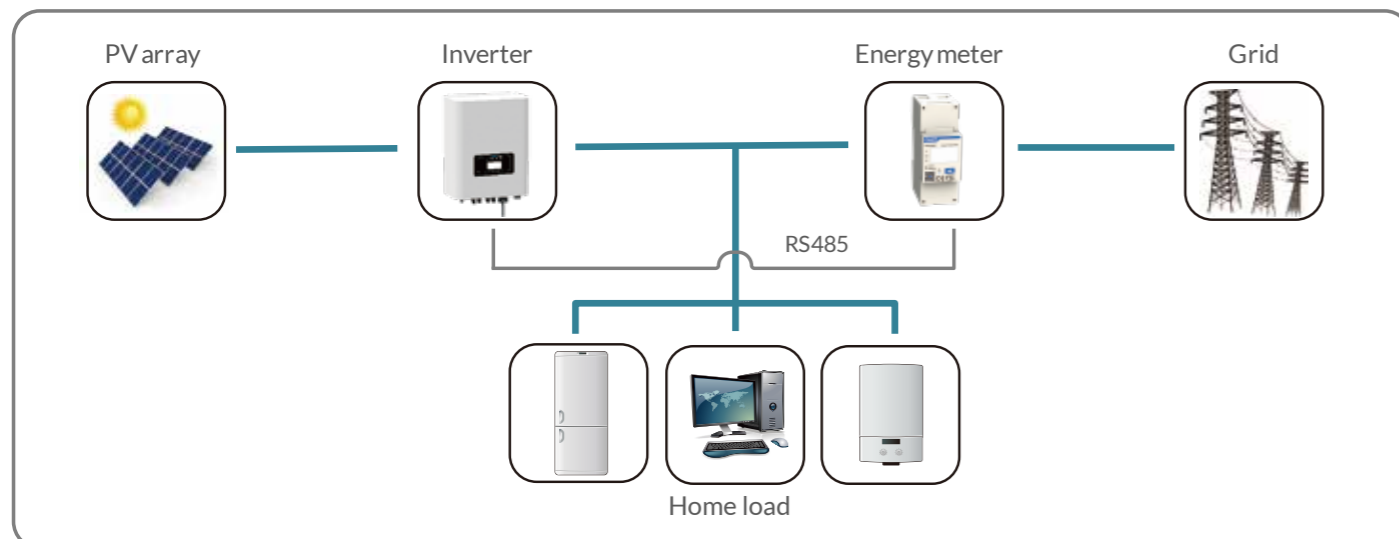
Energy Meter



Technical Data

Model	CHNT DDSU666	CHNT DTSU666	EASTRON SDM 230 Modbus	EASTRON SDM 630-Modbus V2	EASTRON SDM 630 MCT
Battery Data					
Max. direct current measurement (A)	60	80	100	100	1-9999A (with CT)
Direct Voltage measurement between phases	/	176-458V	/	147-480V	50-950V 50-550V
Direct measurement between phase and neutral	176-264V	100-265V	176-276V	85-480V	20-550V
Accuracy Class					
Active power	Class1				
Reactive power	Class2				
Power Supply					
Power consumption	≤1W / 8VA	≤1.5W / 6VA	≤2W / 10VA	≤2W / 10VA	≤2W / 10VA
AC power supply input voltage	176-264V	100-265V	176-276V	85-480V	85-275V / 120-380V
AC power supply input frequency	50/60Hz		50Hz	50/60Hz ±2%	50/60Hz ±2%
Generation Specifications					
Dimensions (L/H/W) in mm	36×85×66	100×72×66	36×99×63	72×100×66	72×94.5×65
Weight (kg)	0.21	0.44	0.21	0.42	0.29
Mounting options	DIN Rail				
Degree of protection	IP51				
Display	LCD				
Communication interface	RS485				
Max. number of devices to connect	32				
Regulated working temperature range	-25°C to +55°C	-10°C to +45°C	-25°C to +55°C		
Limited working temperature range	-40°C to +70°C	25°C to +75°C	/		
Humidity	≤75%		0~95%, non-Condensing		
Warranty	1.5 years				

Typical Application Diagram



Stick Logger

GPRS / WIFI / 4G / Ethernet

Monitor your system anywhere in the world.



- ◆ External light indicator, logging status at a glance;
- ◆ Plug & play, pick power within inverter, no external power needed, easy to install;
- ◆ Independent from inverter to protect parts inside inverter, eliminate potential problems;
- ◆ IP65 water-proof design, resistant to bad weather, enhance stability;
- ◆ External design, easier to replace faulty equipment;
- ◆ End-user can monitor yields at any time with SOLARMAN APP.

Technical Data

Product Model	LSG-3	LSG-4	LSW-3	LS4G-3	LSE-3
Remote Communication Interface	GPRS	GPRS	WiFi	4G	LAN
Working Frequency	GSM850 / EGSM900 / DCS1800 / PCS 1900MHz	GSM850 / EGSM900 / DCS1800 / PCS 1900MHz	2.142GHz~2.484GHz	704MHZ-960MHZ 1710MHZ-2690MHZ	Adaptive Network; 10M / 100M
Satellite Positioning	/	GPS / Beidou < 15m	/	/	/
Antenna	External GPRS Stick Antenna	External GPRS Stick Antenna	External WiFi Stick Antenna	External 4G Stick Antenna	/
Data Interface	RS485 / RS232 / TTL				
Working Voltage	DC4.7V~DC15V				
Working Power	3W	3W	1.5W	5W	1W
SIM Card	Chip Card / MicroSIM	Chip Card / MicroSIM	/	MicroSIM	/
Memory	2M Flash (2M-16M Optional)				
Working Temperature	-40°C to +85°C				
Working Humidity	< 90% (No Condensing)				
No.of Connections	One				
Serial Communication Rate	bps (1200-115200bps Configurable)				
Data Acquisition Interval	Default 5min (1-15min Configurable)				
User Configuration	Bluetooth	APP / Web	AT+InstructionSet Remote Server	Local Serial Port	Web
Firmware Upgrade	Remote Upgrade				
Others	Real-time Control, Data resuming				

Stick logger supports GPRS, WIFI, 4G, Ethernet and other communication modes. Its bluetooth function enables local debugging configuration to collect operation and power generation data from inverters.

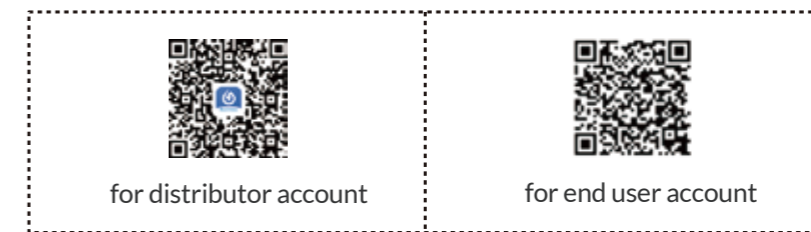
It pairs with solarman professional platform to enable remote PV system monitoring and to realize distributed power station management with lower cost and higher efficiency.

Smart PV Management Platform



Deye residential monitoring solution takes great care to ensure that your PV system is in excellent operation throughout its entire life-cycle. This monitoring solution offer you details information of your power generating plant including Today energy, Monthly energy, yearly energy, total energy etc, through wireless communication with your router to the internet by a smart wifi plug. User can easily access to the monitoring page via PC web or phone APP.

Maximum your energy output while minimizing your costs. Scan the QR code to build your power station !



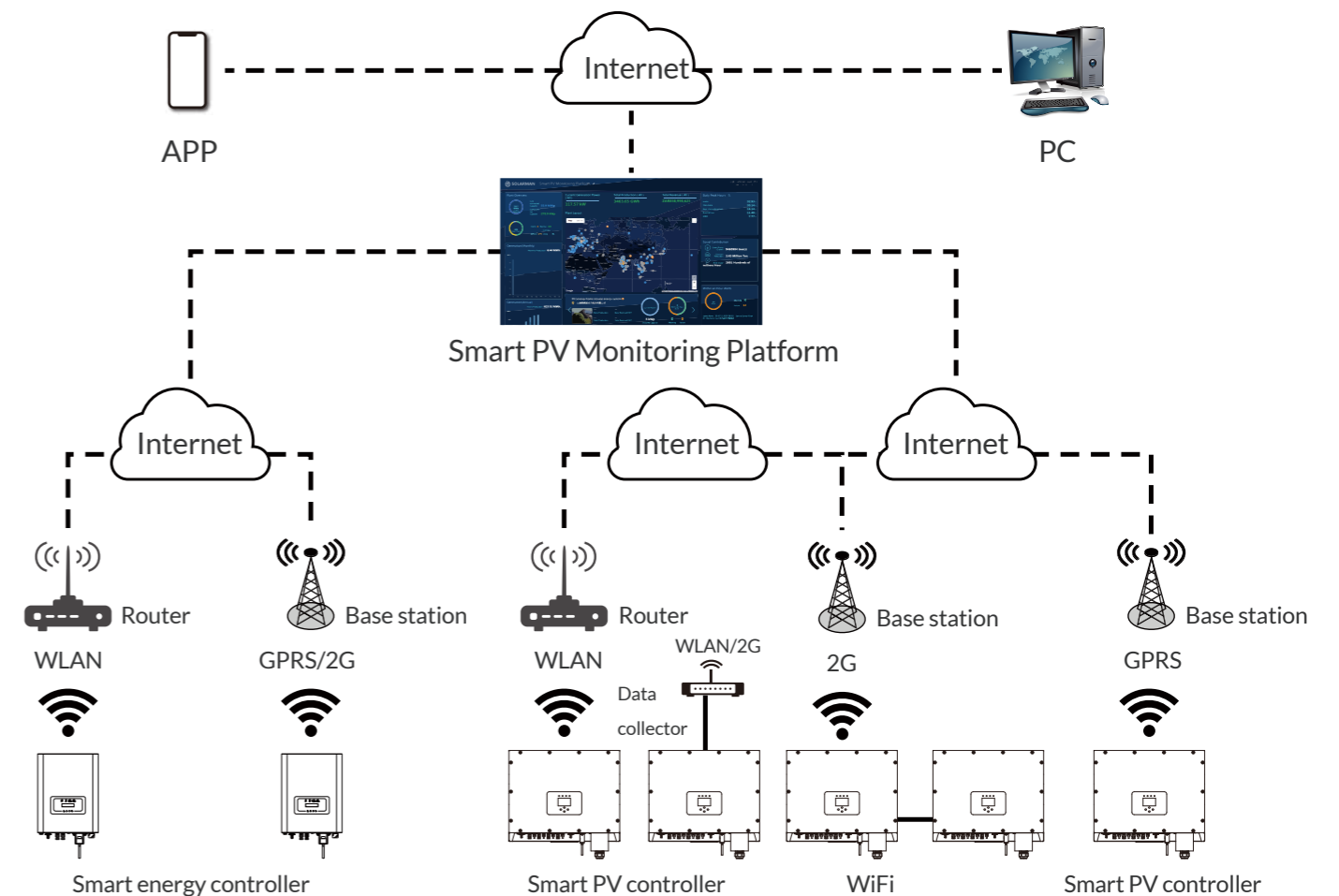
Efficiency

- Open station supports one-click installation and registration;
- Problem support one-click dispatch and navigation.



Safe

- Safe operation, traceable logs, etc;
- Support full lifecycle data storage to ensure data security and reliability.



Project cases



- ▶ 5KW
- ▶ Australia
- ▶ SUN-5K-G



- ▶ 5KW
- ▶ Australia
- ▶ SUN-5K-SG



- ▶ 20KW
- ▶ Brazil
- ▶ SUN-10K-G



- ▶ 50KW
- ▶ Brazil
- ▶ SUN-25K-G



- ▶ 200KW
- ▶ Vietnam
- ▶ SUN-50K-G

Project cases



- ▶ 320KW
- ▶ Brazil
- ▶ SUN-80K-G



- ▶ 16KW
- ▶ South Africa
- ▶ SUN-8K-SG



- ▶ 25KW
- ▶ Brazil
- ▶ SUN-5K-SG

- ▶ 32KW
- ▶ South Africa
- ▶ SUN-8K-SG



- ▶ 91KW
- ▶ USA
- ▶ SUN 1300G2

Project cases



- ▶ 48KW
- ▶ Lebanon
- ▶ SUN-12K-SG



- ▶ 24KW
- ▶ Philippines
- ▶ SUN-8K-SG



- ▶ 72KW
- ▶ Lebanon
- ▶ SUN-12K-SG



- ▶ 48KW
- ▶ Lebanon
- ▶ SUN-12K-SG