

Clean Power For You

Ningbo Deye Inverter Technology Co., Ltd

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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

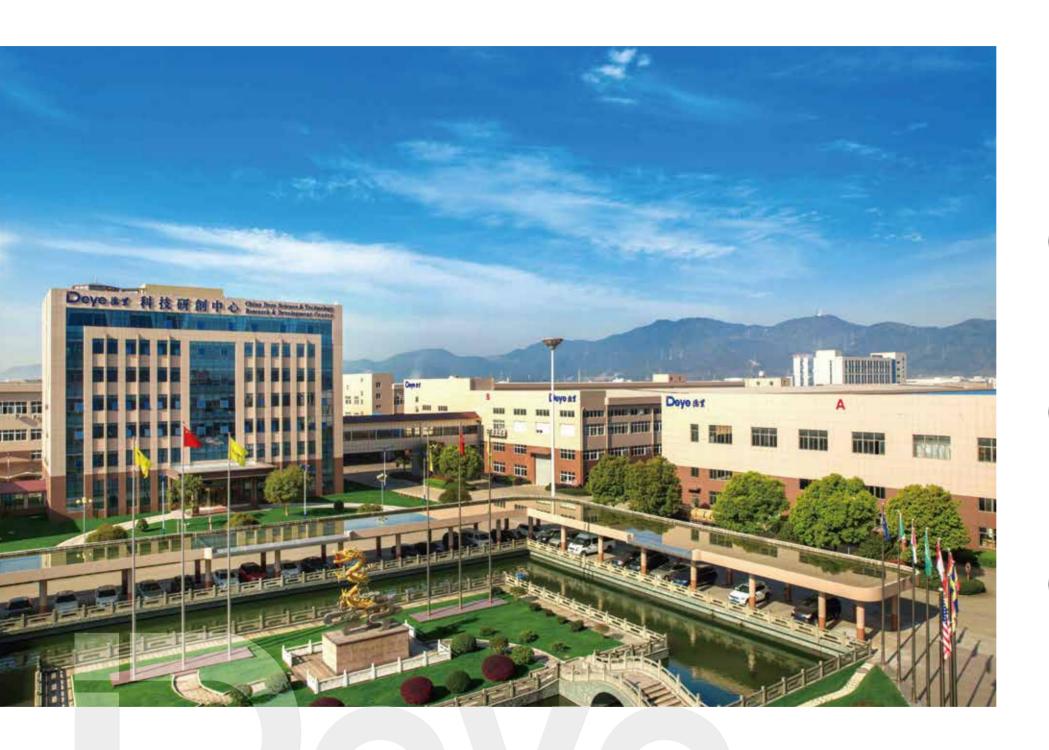


World-leading Residential Energy Storage System Provider

Stock Code: 605117.SH

Choose Deye — Choose a Green and Healthy Life





Company Profile

Ningbo Deye Inverter Technology Co., Ltd, founded in 2007 with registered capital 30 million USD, is one of the China's high-tech enterprises and a subsidiary of Deye Group. With a plant area over 15,000 m² and complete production and testing equipment, Deye has become a major player in the global solar inverter market.

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-12kW, and microinverter 300W-2000W.

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.



Read more

Milestones

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

Deve 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 46 million USD.

Core Technology

Deye hybrid inverter 3-50kW with 208/230/240/400Vac

, ,	
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
95.5	Max. conversion efficiency of 97.6%; Max. battery charge efficiency of 95.5%
240	Max. charging/discharging current of 240A



Core Features

Deve grid-connected inverter 1-110kW

- 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, adpat to 600W solar panel
- String intelligent monitoring (optional), Ani-PID function (Optional)



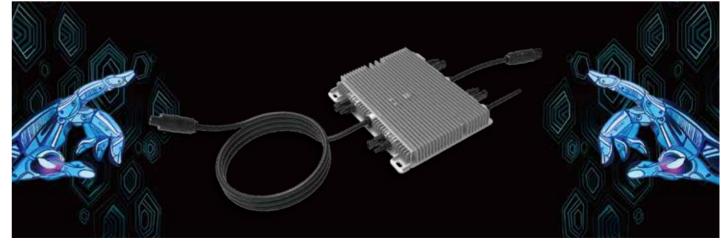
Main Highlights

Deye microinverter 300-2000W

- Support reactive power compensation, comply with UL code.
- Module level monitoring, Max. 4 MPPTs design
- Max. DC input current 13A, adapt to 550W PV module
- Rapid shutdown function, safe and reliable
- PLC, Zigbee or WIFI communication
- ◆ IP67 protection degree, 10 years warranty











Complete

Manufacturing System









World-Class Components Suppliers

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

MOSFET, IGBT







IC







Capacitor, Inductor





Diode



Relay



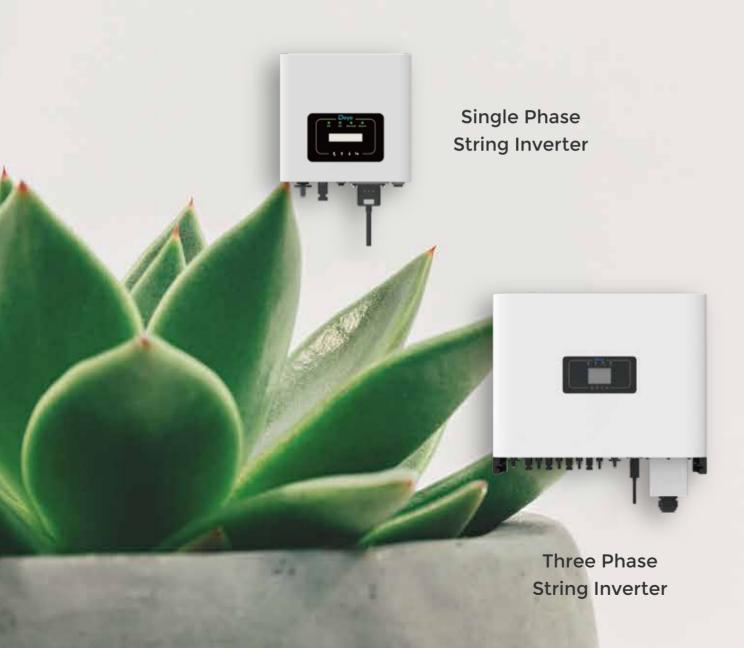


FAN



Deye Inverter Portfolio







Three Phase String Inverter (LV)



Single Phase Hybrid Inverter



Three Phase Hybrid Inverter



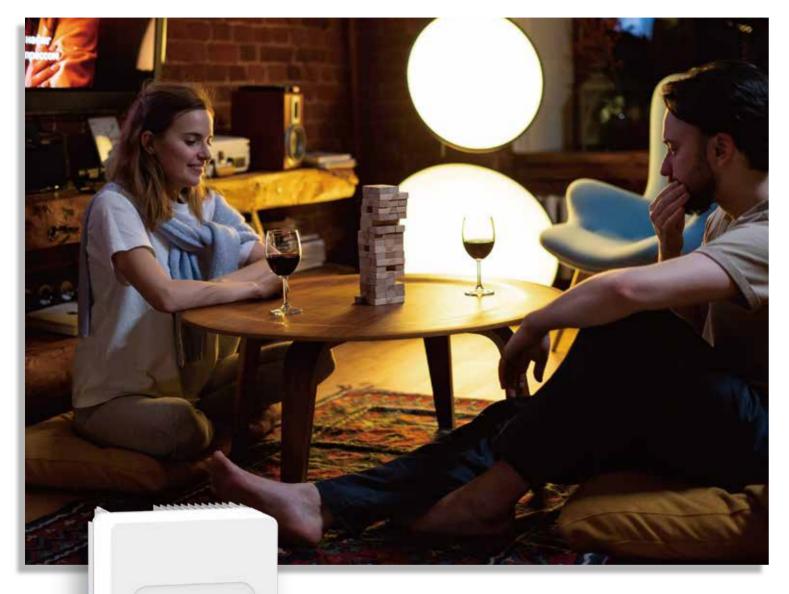
Microinverter



Accessory & monitoring

Hybrid Inverter

SUN-3.6/5/6 K-SG03LP1-EU





Colorful touch LCD, IP65 protection degree



DC couple and AC couple to retrofit existing solar system



Max. 16 pcs 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

Model	SUN-3.6K-SG03LP1-EU	SUN-5K-SG03LP1-EU	SUN-6K-SG03LP1-EU				
Battery Input Data							
Battery Type	Lead-acid or Li-lon						
Battery Voltage Range (V)	40~60						
Max. Charging Current (A)	90	120	135				
Max. Discharging Current (A)	90	120	135				
External Temperature Sensor		Yes					
Charging Curve	3 Stages / Equalization						
Charging Strategy for Li-lon Battery		Self-adaption to BMS					
PV String Input Data		·					
Max. DC Input Power (W)	4680	6500	7800				
Rated PV Input Voltage (V)		370 (125~500)					
Start-up Voltage (V)		125					
MPPT Voltage Range (V)		150-425					
Full Load DC Voltage Range (V)		300-425					
PV Input Current (A)		13+13					
Max. PV I _{SC} (A)		17+17					
No.of MPP Trackers		2					
No. of Strings per MPP Tracker		1					
AC Output Data							
Rated AC Output and UPS Power (W)	2600	5000	6000				
Max. AC Output Power (W)	3600 3690	5000 5500	6000				
AC Output Rated Current (A)	16.4/15.7						
Max. AC Current (A)		22.7/21.7	27.3/26.1				
	18/17.2	25/23.9	30/28.7				
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	50	/60Hz; L/N/PE 220/230Vac (single pha	ase)				
Grid Type		Single Phase					
DC injection current (mA)		THD<3% (Linear load<1.5%)					
Efficiency							
Max. Efficiency		97.60%					
Euro Efficiency		96.50%					
MPPT Efficiency		99.90%					
Protection							
Integrated	Insulation Resistor Detection	ı, Anti-islanding Protection, PV String Inp n, Residual Current Monitoring Unit, Out utput Shorted Protection, Surge protect	put Over Current Protection,				
Output Over Voltage Protection		DC Type II/AC Type III					
Certifications and Standards							
Grid Regulation	CEI 0-21, VDE-	AR-N 4105, NRS 097, IEC 62116, IEC 61 VDE 0126-1-1, RD 1699, C10-11	727, G99, G98,				
Safety EMC / Standard	IEC/EN 61	1000-6-1/2/3/4, IEC/EN 62109-1, IEC/E	N 62109-2				
General Data							
Operating Temperature Range ()		-40~60°C, >45°C derating					
Cooling		Natural cooling					
Noise (dB)		<30 dB					
Communication with BMS		RS485; CAN					
Weight (kg)		20.5					
Size (mm)		330W x 580H x232D					
Protection Degree	IP65						
Installation Style	Wall-mounted						
Warranty		5 years					
	5 years						

Hybrid Inverter

SUN-8 K-SG01LP1-EU



Model	SUN-8K -SG01LP1-US/EU		
Battery Input Data			
Battery Type	Lead-acid or Li-lon		
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. DC Input Power (W)	10400		
Rated PV Input Voltage (V)	370 (125~500)		
Start-up Voltage (V)	125		
MPPT Voltage Range (V)	150-425		
Full Load DC Voltage Range (V)	200-425		
PV Input Current (A)	26+26		
Max. PV ISC (A)	44+44		
Number of MPPT / Strings per MPPT	2/2+2		
AC Output Data	LI LI L		
Rated AC Output and UPS Power (W)	8000		
Max. AC Output Power (W)			
AC Output Rated Current (A)	8800		
	36.4		
Max. AC Current (A)	40		
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	50 / 60Hz; L1/L2/N(PE) 120/240Vac (split phase), 208Vac (2/3 phase), L/N/PE 220/230Vac (single phase)		
Grid Type	Split phase; 2/3 phase; Single Phase		
DC injection current (mA)	THD<3% (Linear load<1.5%)		
Efficiency			
Max. Efficiency	97.60%		
Euro Efficiency	97.00%		
MPPT Efficiency	99.90%		
Protection			
Integrated	PV Input Lightning Protection, 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		
Output Over Voltage Protection	DC Type II/AC Type III		
Certifications and Standards			
Grid Regulation	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11		
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2		
General Data			
Operating Temperature Range ()	-45~60 ,>45 derating		
Cooling	Smart cooling		
Noise (dB)	<30 dB		
Communication with BMS	RS485; CAN		
	32		
Weight (kg)	3/		
Weight (kg) Size (mm)			
Size (mm)	420W×670H×233D		

Hybrid Inverter

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





DC couple and 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

Model	SUN-12K-SG01LP1-EU	SUN-14K-SG01LP1-EU	SUN-16K-SG01LP1-EU			
Battery Data						
Battery Type		Lead-acid or Li-lon				
Battery Voltage Range (V)	40~60					
Max. Charging Current (A)	220	250	290			
Max. Discharging Current (A)	220	250	290			
xternal Temperature Sensor	Yes					
Charging Curve		3 Stages / Equalization				
Charging Strategy for Li-lon Battery		Self-adaption to BMS				
V String Input Data						
Max. DC Input Power (W)	15600	18200	20800			
Max. DC Input Voltage (V)		500				
tart-up Voltage (V)		125				
MPPT Range (V)		150-425				
ated DC Input Voltage (V)		370				
V Input Current (A)		26+26+26				
lax. PV I _{SC} (A)		44+44+44				
lo.of MPP Trackers		3				
lo.of Strings per MPP Tracker		2				
C Output Data						
ated AC OutputPower (W)	12000	14000	16000			
C Output Rated Current (A)	54.5/52.2	63.6/60.9	72.7/69.6			
lax. Continuous AC Passthrough (A)		100				
eak Power (off grid)	2 time of rated power, 5 S					
ower Factor	0.8 leading to 0.8 lagging					
utput Frequency and Voltage	50/60Hz; L/N/PE 220/230Vac (single phase)					
rid Type	Single Phase					
OC injection current (mA)		<0.5%1n				
ackup Data		V0.570111				
ackup Power (W)	10000	12000	14000			
ackup Rated Current (A)	45.5/43.5	54.5/52.2	63.6/60.9			
ackup UPS	73.3/73.3	6ms Automatic switchover time	03.0/00.7			
fficiency		onis Automatic switchover time				
Max. Efficiency		97.60%				
uro Efficiency		96.50%				
APPT Efficiency		99.90%				
T Efficiency		99.9070				
ntegrated	PV Input Lightning Protection, 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					
Output Over Voltage Protection		DC Type II/AC Type III				
ertifications and Standards						
orid Regulation	CEI 0-21, VDE-	AR-N 4105, NRS 097, IEC 62116, IEC 61 VDE 0126-1-1, RD 1699, C10-11	727, G99, G98,			
afety EMC / Standard	IEC/EN 61	000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN	V 62109-2			
ieneral Data						
perating Temperature Range ()		-40~60 ,>45 derating				
ooling		Smart cooling				
oise (dB)		<30 dB				
ommunication with BMS		RS485; CAN				
/eight (kg)		48.5				
ize (mm)		464W×798.4H×300D				
rotection Degree		IP65				
nstallation Style		Wall-mounted				
	5 years					
Varranty		3 years				
Varranty :eatures						

Three Phase Hybrid Inverter

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



- 100% unbalanced output, each phase; Max. output up to **50%** rated power
- DC couple and AC couple to retrofit existing solar system
- Max. 16pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel
- 240 Max. charging/discharging current of 240A
- 48V low voltage battery, transformer isolation design
- **6** 6 time periods for battery charging/discharging
- Support storing energy from diesel generator

Model	SUN-5K -SG04LP3-EU	SUN-6K -SG04LP3-EU	SUN-8K -SG04LP3-EU	SUN-10K -SG04LP3-EU	SUN-12K -SG04LP3-EU		
Battery Input Data							
Battery Type	Lead-acid or Li-lon						
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. DC Input Power (W)	6500	7800	10400	13000	15600		
Rated PV Input Voltage (V)			550 (160~800)				
Start-up Voltage (V)			160				
MPPT Voltage Range (V)			200-650				
Full Load DC Voltage Range (V)			350-650				
PV Input Current (A)		13+13		26-	+13		
Max. PV ISC (A)		17+17		34-	+17		
Number of MPPT / Strings per MPPT		2/1+1		2/2	2+1		
AC Output Data		2/111					
Rated AC Output and UPS Power (W)	5000	6000	8000	10000	12000		
Max. AC Output Power (W)	5500	6600	8800	11000	13200		
AC Output Rated Current (A)	7.6	9.1	12.1	15.2	18.2		
Max. AC Current (A)	11.4	13.6	18.2	22.7	27.3		
Max. Continuous AC Passthrough (A)		1010	45	22.7			
Peak Power (off grid)		2	time of rated power, 10) S			
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				
DC injection current (mA)		TI	HD<3% (Linear load<1.5	(%)			
Efficiency				,			
Max. Efficiency			97.60%				
Euro Efficiency			97.00%				
MPPT Efficiency			99.90%				
Protection							
Integrated		esistor Detection, Resid	slanding Protection, PV St dual Current Monitoring L horted Protection, Surge	Init, Output Over Curre			
Output Over Voltage Protection			DC Type II/AC Type III				
Certifications and Standards							
Grid Regulation	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11						
Safety EMC / Standard		IEC/EN 61000-6	-1/2/3/4, IEC/EN 62109-	I, IEC/EN 62109-2			
General Data							
Operating Temperature Range ()			-45~60 ,>45 deratir	ng			
Cooling			Smart cooling				
Noise (dB)			<45 dB				
Communication with BMS			RS485; CAN				
Weight (kg)			33.6				
Size (mm)			422W x 699.3H x279D				
Protection Degree	IP65						
Installation Style			Wall-mounted				
Warranty			5 years				

Three Phase Hybrid Inverter

SUN-6/8/10/12/15/20 K-SG01HP3-EU-AM2



- 100% unbalanced output, each phase; Max. output up to **50%** rated power
- DC couple and AC couple to retrofit existing solar system
- Max. 10 pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel
- 37 Max. charging/discharging current of 37A
- High voltage battery, higher efficiency
- **6** 6 time periods for battery charging/discharging
- Support storing energy from diesel generator

Model	SUN-6K-SG01HP3 -EU-AM2	SUN-8K-SG01HP3- EU-AM2	SUN-10K-SG01HP3 -EU-AM2	SUN-12K-SG01HP3 -EU-AM2	SUN-15K-SG01HP3 -EU-AM2	SUN-20K-SG01HP3 -EU-AM2		
Battery Input Data								
Battery Type		Li-lon						
Battery Voltage Range (V)	160~700							
Max. Charging Current (A)		37						
Max. Discharging Current (A)		37						
Number of battery input				1				
Charging Strategy for Li-Ion Battery			Self-adapt	ion to BMS				
PV String Input Data								
Max. DC Input Power (W)	7800	10400	13000	15600	19500	26000		
Max. DC Input Voltage (V)			10	00				
Start-up Voltage (V)			18	30				
MPPT Range (V)			150	-850				
Full Load DC Voltage Range (V)	195-850	260-850	325-850	340-850	423-850	500-850		
Rated DC Input Voltage (V)			60	00	1	1		
PV Input Current (A)		20+20		26	+20	26+26		
Max. PV I _{SC} (A)		23+23		32	+23	32+32		
No.of MPP Trackers				2		1		
No.of Strings per MPP Tracker		1		2	+1	2		
AC Output Data						ı		
Rated AC Output and UPS Power (W)	6000	8000	10000	12000	15000	20000		
Max. AC Output Power (W)	6600	8800	11000	13200	16500	22000		
AC Output Rated Current (A)	9.1	12.2	15.2	18.2	22.8	30.3		
Max. AC Current (A)	13	18	22	25	30	35		
Max. Continuous AC Passthrough (A)				10				
Peak Power (off grid)				ed power, 10 S				
Generator input/Smart load /AC couple current (A)	9.1 / 80 / 9.1	12.2 / 80 / 12.2	15.2 / 80 / 15.2	18.2 / 80 / 18.2	22.8 / 80 / 22.8	30.3 / 80 / 30.3		
Power Factor		1	0.8 leading t	o 0.8 lagging				
Output Frequency and Voltage		5	0/60Hz; 3L/N/PE 2	20/380, 230/400V	ac			
Grid Type				Phase				
DC injection current (mA)			<0.5	%1n				
Efficiency								
Max. Efficiency			97.6	50%				
Euro Efficiency				00%				
MPPT Efficiency			99.0	90%				
Protection								
Integrated		n Resistor Detection	, Anti-islanding Prot n, Residual Current N ntput Shorted Protec	Monitoring Unit, Ou	tput Over Current P			
Output Over Voltage Protection			DC Type II/	AC Type III				
Certifications and Standards								
Grid Regulation		EN50549, AS4777	7.2:2015, VDE0126-	1-1, IEC61727, VDI	EN4105-2018, G99			
Safety EMC / Standard			000-6-1/2/3/4, IEC					
General Data								
Operating Temperature Range ()			-40~60°C, >4	15°C derating				
Cooling				cooling				
Noise (dB)				5 dB				
Communication with BMS				5; CAN				
Weight (kg)				0.5				
Size (mm)			408W×638					
Protection Degree		P65						
Installation Style		Wall-mounted						
Warranty								
· ·	5 years							

Three Phase Hybrid Inverter

SUN- 25 / 30 / 40 / 50 K-SG01HP3-EU-BM2/3/4







Max. 10 pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel

Max. charging/discharging current of 100A

High voltage battery, higher efficiency

6 6 time periods for battery charging/discharging

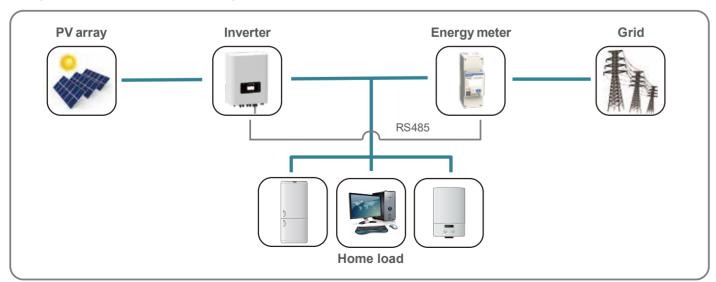
Support storing energy from diesel generator

Model	SUN-25K-SG01HP3 -EU-BM2	SUN-30K-SG01HP3 -EU-BM3	SUN-40K-SG01HP3 -EU-BM4	SUN-50K-SG01HP3 -EU-BM4		
Battery Input Data						
Battery Type	Li-lon					
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-adap	tion to BMS			
PV String Input Data						
Max. DC Input Power (W)	32500	39000	52000	65000		
Max. DC Input Voltage (V)		10	000			
Start-up Voltage (V)		1	80			
MPPT Range (V)		150)-850			
Full Load DC Voltage Range (V)	450-850	360-850	360-850	450-850		
Rated DC Input Voltage (V)		6	00			
PV Input Current (A)	36+36	36+36+36	36+36+	-36+36		
Max. PV I _{SC} (A)	55+55	55+55+55	55+55+	-55+55		
No.of MPP Trackers	2	3	4	<u> </u>		
No.of Strings per MPP Tracker			2			
AC Output Data						
Rated AC Output and UPS Power (W)	25000	30000	40000	50000		
Max. AC Output Power (W)	27500	33000	44000	55000		
AC Output Rated Current (A)	38	45.6	60.8	75.8		
Max. AC Current (A)	50	60	70	83.3		
Max. Continuous AC Passthrough (A)			50			
Peak Power (off grid)			ted power, 10 S			
Generator input/Smart load /AC couple current (A)	38/150/38	45.6 / 150 / 45.6	60.8 / 150 / 60.8	75.8 / 150 / 75.8		
Power Factor		0.8 leading t	to 0.8 lagging			
Output Frequency and Voltage		50/60Hz; 3L/N/PE 2	220/380, 230/400Vac			
Grid Type		Three	Phase			
DC injection current (mA)		<0.1	5%1n			
Efficiency						
Max. Efficiency		97.	60%			
Euro Efficiency			00%			
MPPT Efficiency		99.	90%			
Protection						
Integrated		Detection, Residual Current I	tection, PV String Input Revers Monitoring Unit, Output Over ction, Surge protection			
Output Over Voltage Protection		DC Type II	/AC Type III			
Certifications and Standards						
Grid Regulation	EN5054	9, AS4777.2:2015, VDE0126	-1-1, IEC61727, VDEN4105-2	018, G99		
Safety EMC / Standard			C/EN 62109-1, IEC/EN 62109-2			
General Data						
Operating Temperature Range ()		-40~60°C, >	45°C derating			
Cooling		Smart	cooling			
Noise (dB)		<4	5 dB			
Communication with BMS		RS48	5; CAN			
Weight (kg)		7	75			
Size (mm)			94H×294D			
Protection Degree			P65			
Installation Style			nounted			
Warranty		5 y	rears			

Energy Meter



Typical Application Diagram



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	/	176-458V	/	147-480V	50-950V
between phases					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	50/6	50Hz	50Hz	50/60Hz ±2%	50/60Hz ±2%
Generation Specifications					
Dimenstions (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~+55°C -10°C~+45°C -25°C~+55°C				
Limited working temperature range	-40°C~+70°C	25°C~+75°C		/	
Humidity	≤7.	5%		0~95%, non-Condensir	ng
Warranty	1.5 years				

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.

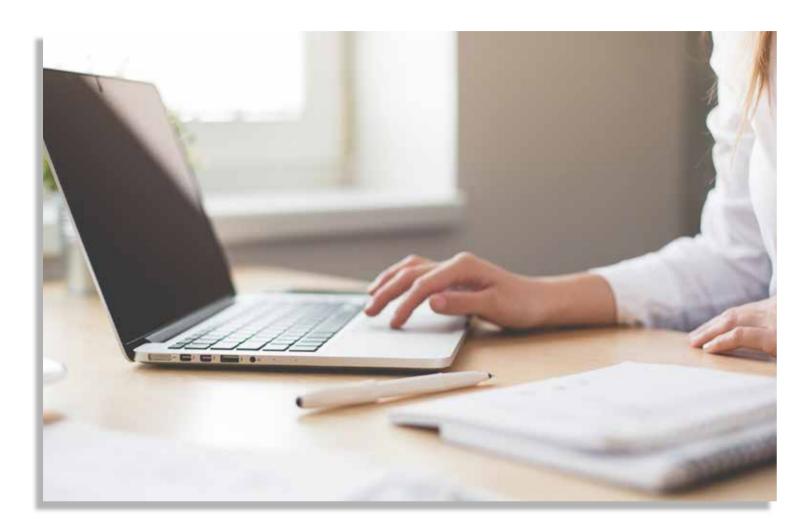
Technical Data

Product Model	LSG-3	G-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 ~+85 °C				
Working Humidity			< 90% (No Condensing	j)			
No.of Connections			One				
Serial Communication Rate		bps (1	200-115200bps Config	urable)			
Data Acquisition Interval	Default 5min (1-15min Configurable)						
	AT+InstructionSet						
User Configuration	Remote Server						
	Blue	tooth	APP/Web	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!

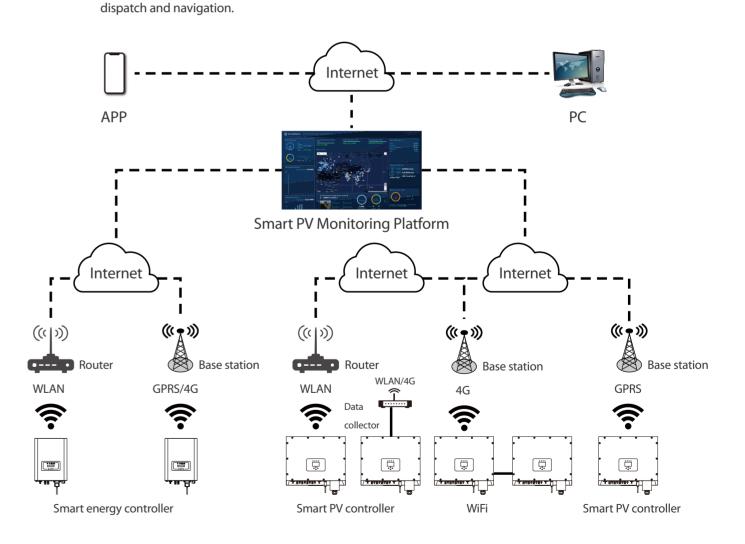






Safe

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





► 5KW

- Brazil
- ► SUN-5K-G



- ► 20KW
- **▶** Brazil
- ► SUN-10K-G



- **▶ 50KW**
- ▶ Brazil
- ► SUN-25K-G





- ▶ 200KW
- Brazil
- ► SUN-50K-G



- **▶** 200KW
- Vietnam
- ► SUN-50K-G

Project cases



- **▶ 320KW**
- Brazil
- ► SUN-80K-G
- ▶ 32KW▶ South Africa
 - ► SUN-8K-SG



- ► 16KW
- South Africa
- ► SUN-8K-SG



- **→ 30KW**
- ► China
- ► SUN 1200G



- ▶ 91KW
- **USA**
- ► SUN 1300G2