







Hybrid Inverter

SUN-3.6/5K-SG01/03LP1-EU



-  Colorful touch LCD, IP65 protection degree
-  6 time periods for battery charging/discharging
-  120 Max. charging/discharging current of 120A
-  16 Frequency droop control, Max.16pcs parallel
-  DC couple and AC couple to retrofit existing solar system
-  Support storing energy from diesel generator

Deye

Clean Power For You

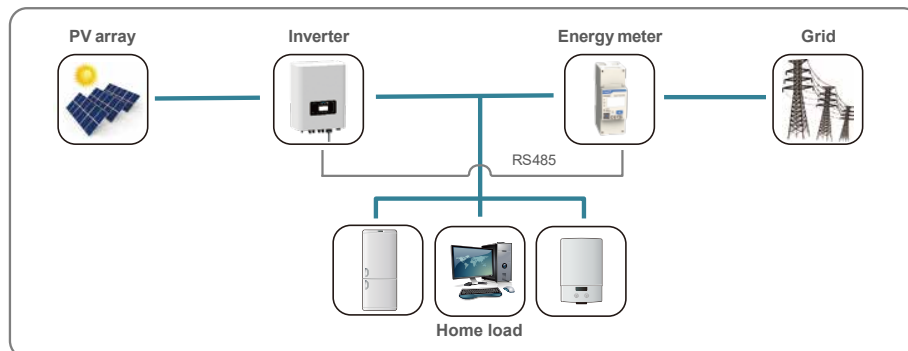
Model	SUN-3.6K-SG01/03LP1-EU	SUN-5K-SG01/03LP1-EU
Battery Input Data		
Battery Type	Lead-acid or Lithium-ion	
Battery Voltage Range (V)	40~60V	
Max. Charging Current (A)	90A	120A
Max. Discharging Current (A)	90A	120A
Charging Curve	3 Stages / Equalization	
External Temperature Sensor	Yes	
Charging Strategy for Li-Ion Battery	Self-adaption to BMS	
PV String Input Data		
Max. DC Input Power (W)	4680W	6500W
PV Input Voltage (V)	370V (100V~500V)	
MPPT Range (V)	125~425V	
Full Load DC Voltage Range	240~425V	
Start-up Voltage (V)	150V	
PV Input Current (A)	13A+13A	
No.of MPPT Trackers	2	
No.of Strings Per MPPT Tracker	1+1	
AC Output Data		
Rated AC Output and UPS Power (W)	3600W	5000W
Max. AC Output Power (W)	3960W	5500W
Peak Power (off grid)	2 times of rated power, 10 S	
AC Output Rated Current (A)	15.7A	21.7A
Max. AC Current (A)	18A	25A
Max. Continuous AC Passthrough (A)	35A	
Power Factor	0.8 leading to 0.8 lagging	
Output Frequency and Voltage	50/60Hz; 220/230 / 240Vac (single phase)	
Grid Type	Single Phase	
Current Harmonic Distortion	THD<3% (Linear load<1.5%)	
Efficiency		
Max. Efficiency	97.60%	
Euro Efficiency	96.50%	
MPPT Efficiency	99.90%	
Protection		
PV Input Lightning Protection	Integrated	
Anti-islanding Protection	Integrated	
PV String Input Reverse Polarity Protection	Integrated	
Insulation Resistor Detection	Integrated	
Residual Current Monitoring Unit	Integrated	
Output Over Current Protection	Integrated	
Output Shorted Protection	Integrated	
Output Over Voltage Protection	Integrated	
Surge protection	DC Type II / AC Type II	
Certifications and Standards		
Grid Connection Standard	EN50549-1, CEI 0-21, IEC61727, IEC62116, IEC60068, IEC61683, ABNT NBR 16149, ABNT NBR 16150, AS4777.2, VDE 4105, XP C15-712-3, RD1699, UNE 206006 IN, UNE 206007-1 IN	
Safety EMC / Standard	IEC62040-1, IEC62109-1/-2, IEC61000-6-1, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12, IEC61000-4-16, IEC61000-4-18, IEC61000-4-29	
General Data		
Operating Temperature Range (°C)	-25~60°C, >45°C Derating	
Cooling	Smart cooling	
Noise (dB)	<30 dB	
Communication with BMS	RS485; CAN	
Weight (kg)	20.5	
Size (mm)	330Wx580Hx232D	
Protection Degree	IP65	
Installation Style	Wall-mounted	
Warranty	5 years	

Energy Meter



Model	DDSU666	DTSU666
Max. direct current measurement (A)	60	80
Direct Voltage measurement between phases	/	176-458V
Direct measurement between phase and neutral	176~264V	100-265V
Accuracy Class		
Active power		Class1
Reactive power		Class2
Power Supply		
Power consumption	≤1W / 8VA	≤1.5W / 6VA
AC power supply input voltage	176-264V	100-265V
AC power supply input frequency		50/60Hz
Generation Specifications		
Dimensions (L/H/W) in mm	36×85×66	100×72×66
Weight (kg)	0.21	0.44
Mounting options		DIN Rail
Degree of protection		IP51
Display		LCD
Communication interface		RS485
Max. number of devices to connect		4
Regulated working temperature range	-25°C~+55°C	-10°C~+45°C
Limited working temperature range	-40°C~+70°C	-25°C~+75°C
Humidity		≤75%
Warranty		1.5 years

Zero-export 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.

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.

ProductModel	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~+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				