

String Inverter

1-136kW

Deye string inverters provide 1-136kW power options, featuring string monitoring, AFCI, zero export, and PID repair, helping distributed PV stations lower LCOE and accelerate investment payback.

Their flexible design meets diverse needs, from residential to commercial and industrial PV projects.



Hybrid Inverter

3-80kW

Deye's hybrid inverters are globally recognized, commanding a leading market share in countries such as South Africa. They provide accessible, highly reliable, and sustainable energy solutions for users in areas with weak grid infrastructure or high electricity costs. These solutions address various needs, including residential to commercial energy storage applications.




NEW

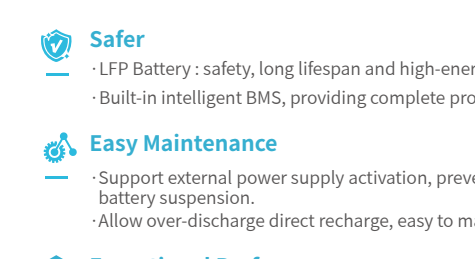
Spring Series

SE-G5.1 & SE-G10.2





SE-G5.1



SE-G10.2

Safer

- LFP Battery: safety, long lifespan and high-energy density.
- Built-in intelligent BMS, providing complete protection.

Easy Maintenance

- Support external power supply activation, prevents battery suspension.
- Allow over-discharge direct recharge, easy to maintain.

Enhanced Reliability

- 5 years warranty.
- Wide temperature range: -20°C~55°C.

More Flexible

- Easy to expand, Max. 64 units in parallel (327kWh/655kWh).

Exceptional Performance

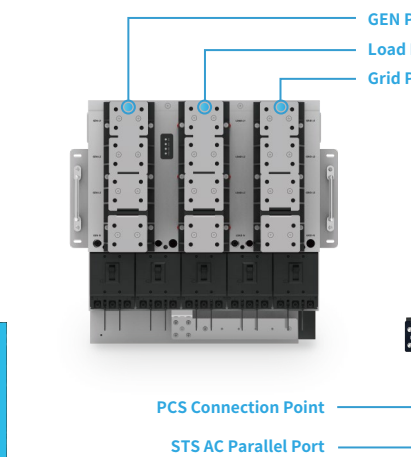
- Support Max. 0.5C continuous charging and discharging.

NEW

100KW-2.5MW

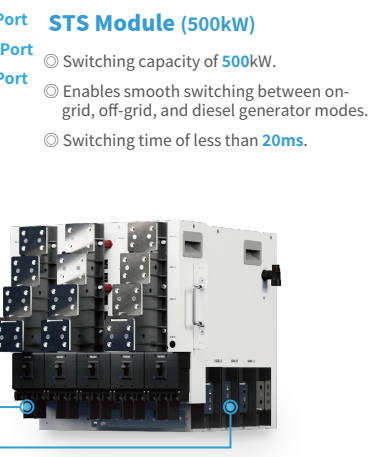
C&I ESS SOLUTION





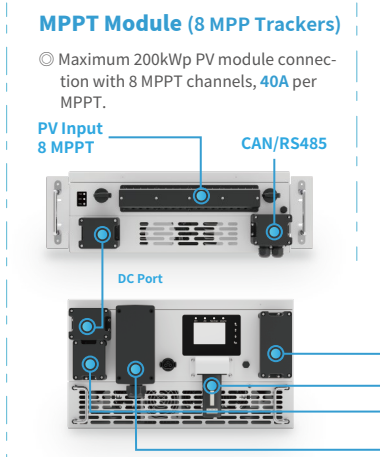
PCS Module (100kW/125kW)

- 175A/220A charge and discharge current.
- Maximum efficiency of 98.5%.
- System rated power up to 2.5MW.
- Eliminating the need for additional EMS.
- Integrates zero-export and time-of-use control functions.
- Supports instantaneous peak power up to 170% of rated power.



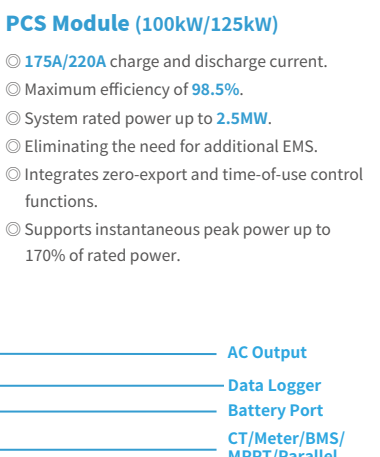
STP Module (500kW)

- Switching capacity of 500kW.
- Enables smooth switching between on-grid, off-grid, and diesel generator modes.
- Switching time of less than 20ms.




MPPT Module (8 MPPT Trackers)

- Maximum 200kWp PV module connection with 8 MPPT channels, 40A per MPPT.



PV Input 8 MPPT

- CAN/RS485



AC Output

- Data Logger
- Battery Port
- CT/Meter/BMS/MPPT/Parallel




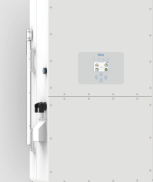
Single Phase String Inverter

Three Phase String Inverter

Model	SUN-10K-G02P1-EU-AM2	SUN-15K-G05-LV	SUN-75K-G01P3-EU-AM8-LV
PV String Input Data			
Max. PV Input Power(kW)	15	19.5	112.5
Max. PV Input Voltage(V)	550	800	800
Start-up Voltage(V)	80	250	250
MPPT Voltage Range(V)	70-500	200-700	200-700
Rated PV Input Voltage(V)	360	500	500
Max. Operating PV Input Current (A)	26+26	26+26	40+40+40+40+40+40+40+40
Max. Input Short Circuit Current(A)	39+39	39+39	60+60+60+60+60+60+60+60
No. of MPP Trackers/No. of Strings MPP Tracker	2/2+2	2/2+2	8/4+4+4+4+4+4+4+4
AC Output Side			
Rated AC Output Active Power(kW)	10	15	75
Max.AC Output Apparent Power(kVA)	11	15	75
Rated output voltage/range (V)	220/230 0.85Un-1.1Un L/N/PE	127V/220V, 133V/230V 0.85Un-1.1Un 3L/N/PE	127V/220V, 133V/230V 0.85Un-1.1Un 3L/N/PE
Grid Connection Form			
Rated Output Grid Frequency/range(Hz)	50/45-55, 60/55-65	50/45-55, 60/55-65	50/45-55, 60/55-65
Power Factor Adjustment Range	0.8 leading to 0.8 lagging	0.8 leading to 0.8 lagging	0.8 leading to 0.8 lagging
Efficiency			
Max. Efficiency	97.7%	98.5%	98.7%
Euro Efficiency	97.2%	\	\
MPPT Efficiency	>99%	>99%	>99%
Interface			
Communication Interface	RS485/RS232 GPRS/WiFi/Bluetooth /4G/LAN(optional)	RS485/RS232 GPRS/WiFi/Bluetooth /4G/LAN(optional)	RS485/RS232 GPRS/WiFi/Bluetooth /4G/LAN(optional)
Monitor Mode			
General Data			
Operating Temperature Range(°C)	-25 to +60°C, >45°C Derating	-25 to +60°C, >45°C Derating	-25 to +60°C, >45°C Derating
Permissible Ambient Humidity	0-100%	0-100%	0-100%
Permissible Altitude(m)	3000m	4000m	4000m
Noise(dB)	≤35	≤50	≤55
Ingress Protection(IP) Rating	IP 65	IP 65	IP 65
Inverter Topology	Non-Isolated	Non-Isolated	Non-Isolated
Over Voltage Category	OVC II(DC), OVC III(AC)	OVC II(DC), OVC III(AC)	OVC II(DC), OVC III(AC)
Weight(kg)	14.8	20	103
Warranty	5 Years	5 Years	5 Years
Type of Cooling	Natural Cooling	Intelligent Air Cooling	Intelligent Air Cooling

Single Phase Hybrid Inverter

Three Phase Hybrid Inverter


Model				
	SUN-8K-SG02LP2-US	SUN-12K-SG04LP3-EU-AM2-LV	SUN-30K-SG01HP3-US-BM4-208V	SUN-60K-SG01HP3-US-BM4-277V
Battery Input Data				
Battery Type	Lead-acid or Lithium-ion	Lead-acid or Lithium-ion	Lithium-ion	Lithium-ion
Battery Voltage Range (V)	40-60	40-60	160-500	160-800
Max. Charging Current (A)	190	240	50+50	50+50
Max. Discharging Current (A)	190	240	50+50	50+50
Charging Strategy for Li-ion Battery	Self-adaption to BMS	Self-adaption to BMS	Self-adaption to BMS	Self-adaption to BMS
Number of Battery Input	1	1	2	2
PV String Input Data				
Max. PV Access Power (W)	16000	24000	60000	120000
Max. PV Input Power (W)	12000	15600	39000	78000
Max. PV Input Voltage (V)	500	600	550	1000
Start-up Voltage(V)	125	160	180	180
MPPT Voltage Range (V)	150-425	200-450	150-500	150-850
Rated PV Input Voltage (V)	370	400	380	600
Max. Operating PV Input Current (A)	26+26	26+13	55+55+55+55	55+55+55+55
Max. Input Short-Circuit Current (A)	44+44	39+19.5	36+36+36+36	36+36+36+36
No. of MPP Trackers/ No. of Strings MPP Tracker	2/2+2	2/2+1	4/2+2+2+2	4/2+2+2+2
AC Input/Output Data				
Rated AC Output Active Power(W)	8000	6900	30000	60000
Max.AC Output Apparent Power(VA)	8000	6900	30000	60000
Max. Continuous AC Passthrough (grid to load) (A)	50	45	200	200
Peak Power (off-grid) (W)	2 times of rated power, 10s	2 times of rated power, 10s	1.5 times of rated power, 10s	1.5 times of rated power, 10s
Power Factor Adjustment Range	0.8 leading to 0.8 lagging	0.8 leading to 0.8 lagging	0.8 leading to 0.8 lagging	0.8 leading to 0.8 lagging
Rated Input/Output Voltage/Range (V)	120/240V/208V 0.88Un<U<1.1Un	133/230V 0.85Un-1.1Un	120/208V 0.88Un-1.1Un	277/480V 0.88Un-1.1Un
Rated Input/Output Grid Frequency/Range	60/55-65	50/45-55, 60/55-65	60/55-65	60/55-65
Grid Connection Form	2L+N+PE	3L+PE	3L+N+PE	3L+N+PE
Efficiency				
Max. Efficiency	97.6%	97.6%	97.60%	97.6%
Euro Efficiency	96.5%	97%	97.0%	97%
MPPT Efficiency	>99%	>99%	>99%	>99%
Interface				
Communication Interface	RS485/RS232/CAN			
Monitor Mode	GPRS/WiFi/Bluetooth/4G/LAN(optional)			
General Data				
Operating Temperature Range(°C)	-40 to +60°C, >45°C Derating	-40 to +60°C, >45°C Derating	-40 to +60°C, >45°C Derating	-40 to +60°C, >45°C Derating
Permissible Ambient Humidity	0-100%	0-100%	0-100%	0-100%
Permissible Altitude(m)	2000m	2000m	2000m	2000m
Noise(dB)	≤ 45 dB(A)	≤ 45 dB(A)	≤ 65 dB(A)	≤ 65 dB(A)
Ingress Protection(IP) Rating	TYPE 3R	IP 65	TYPE 3R	TYPE 3R
Inverter Topology	Non-Isolated	Non-Isolated	Non-Isolated	Non-Isolated
Over Voltage Category	OVC II(DC), OVC III(AC)	OVC II(DC), OVC III(AC)	OVC II(DC), OVC III(AC)	OVC II(DC), OVC III(AC)
Weight(kg)	35.6	37.7	80	80
Type of Cooling	Intelligent Air Cooling	Intelligent Air Cooling	Intelligent Air Cooling	Intelligent Air Cooling
Warranty	5 Years/10 Years			
the Warranty Period Depends the Final Installation Site of Inverter. More Info Please Refer to Warranty Policy				

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NEW

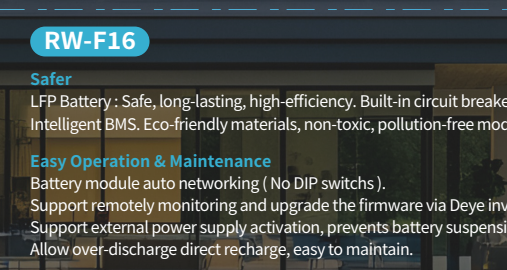
Spring Serie

RW-L2.5A / RW-L10.2 / RW-F16



RW-L2.5A / RW-L10.2

- Automatic Recovery Function**
Minimum cold-start capability of 9V.
- Smart Fuse, Safe Power**
Prevents thermal runaway in key circuits for ultimate safety.
- Flexible Expansion**
Max. 32 units in parallel, ideal for backup power.
- 1C Charge, 1.2C Discharge**
Compared to traditional products, performance improve by 20%.
- Reverse Polarity Protection**
Prevents battery and BMS damage from incorrect wiring.
- Seamless Convenience**
Automatic battery networking and remote monitoring/upgrade support.



RW-F16

- Safer**
LFP Battery: Safe, long-lasting, high-efficiency. Built-in circuit breaker, Intelligent BMS. Eco-friendly materials, non-toxic, pollution-free module.
- Reliable**
Built-in circuit breaker, Support 160A charge and 160A discharge. Charge from 0°C to 55°C, discharge from -20°C to 55°C.
- Easy Operation & Maintenance**
Battery module auto networking (No DIP switches). Support remotely monitoring and upgrade the firmware via Deye inverter. Support external power supply activation, prevents battery suspension. Allow over-discharge direct recharge, easy to maintain.
- Flexible Application**
Support Max. 32 units in parallel. Built-in 10A constant-current limit charge. Compatible with any brand inverter charge and discharge. Suited to provide energy for backup power, residential, etc.



RW-L2.5A



RW-L10.2



RW-F16

NEW

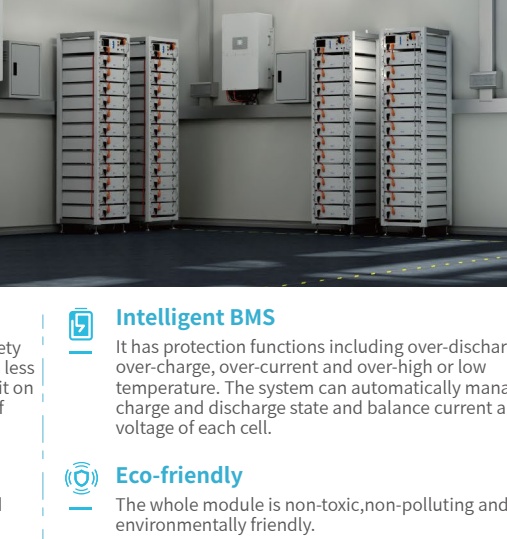
Summer Serie

BOS-G-Pack5.1



BOS-G-Pack5.1

- Safe and reliable**
Cathode material is made from LiFePO4 with safety performance and long cycle life. The module has less self-discharge, up to 6 months without charging it on shelf, no memory effect, excellent performance of shallow charge and discharge.
- Intelligent BMS**
It has protection functions including over-discharge, over-charge, over-current and over-high or low temperature. The system can automatically manage charge and discharge state and balance current and voltage of each cell.
- Eco-friendly**
The whole module is non-toxic, non-polluting and environmentally friendly.



BOS-G-Pack5.1

- Flexible configuration**
Multiple battery modules can be in parallel for expanding capacity and power. Support USB upgrade, remote upgrade (Compatible with Deye inverter).
- Wide temperature**
Working temperature range is from -20°C to 55°C, with excellent discharge performance and cycle life.