

The background of the entire page is a photograph of a large solar farm. Rows of solar panels are visible, stretching into the distance. The panels are mounted on metal racks. The scene is captured during sunset or sunrise, with a warm, orange glow in the sky and some clouds. The foreground shows a field of green grass. A large, solid red diagonal stripe cuts across the bottom right portion of the image, separating the header area from the main content area.

Smart On-grid String Inverter Series

String Inverter Products

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600Vdc String Inverter

Single-phase On-grid String Inverter

SIN3K~6K-BS-X1 Series



Product Features

High efficiency

- High-efficiency inverter topology ensures annual power generation
- Advanced control algorithms and high adaptation ability to the grid, improving the stability of power generation system

Safe and reliable

- IP65 for outdoor application
- Integrated DC&AC SPD
- Aluminum alloy die-casting integrated chassis, ensure 25 years full life circle running

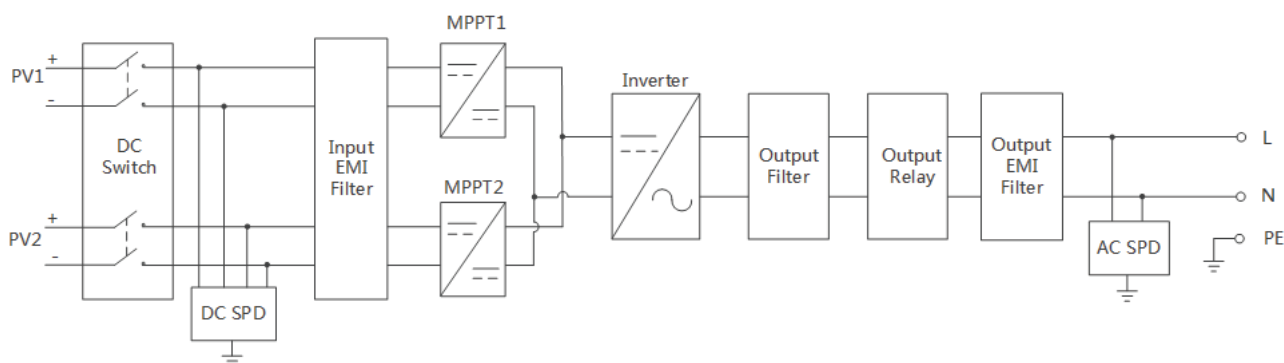
Intelligent management

- Intelligent cloud platform monitoring, realizing one- key APP real-time monitoring
- Support RS485, GPRS, WIFI and other communication methods

Green saving

- Small size, easy to install and use
- Natural cooling, ensuring low environmental noise
- Super-wide operating temperature range, adapt to extremely cold, high temperature areas

Function Diagram



Technical Specification

Items	SIN5K-BS-X1	SIN6K-BS-X1
DC Input (PV)		
Max. PV power (recommend)	6.5kWp	7.8kWp
Max. PV input voltage	600Vdc	
Rated input voltage	360Vdc	
Max. PV input current	13A/13A	
No. of MPPTs	2	
No.of PV strings per MPPT	1/1	
MPPT voltage range	100~550Vdc	
Starting voltage	120Vdc	
DC switch	Yes	
AC Output (On-grid)		
Rated AC output power	5.0kW	6.0kW
Max. output power	5.5kVA	6.0kVA
Rated AC output voltage	220Vac/230Vac	
Grid voltage range	184~276Vac	
Rated output current	21.7A	26.0A
Max. output current	23.9 A	26.0 A
Rated grid frequency	50/60Hz	
Grid frequency range	45~55Hz/55~65Hz	
Power factor	>0.99 (rated power)	
Adjustable power factor	0.8(leading)~0.8(lagging)	
THDI	<3% (rated power)	
Efficiency		
Max. efficiency	98.30%	
European efficiency	97.90%	
MPPT efficiency	99.90%	
Function and protection		
Anti-islanding	Yes	
DC (PV) reversed connection	Yes	
AC short circuit protection	Yes	
Temperature protection	Yes	
Surge protection	DC Type II & AC Type II	
Zero-export function	Yes (optional)	
General		
Dimensions (W×H×D)	360×420×125mm	
Weight	11.5kg	
IP grade	IP65	
Self-consumption at night	<1W	
Cooling type	Natural cooling	
Altitude	4000m (>2000m derating)	
Operating temperature	-40°C~60°C	
Operating humidity	0~100%	
Display	LCD+LED	
DC (PV) terminal	MC4 Terminal	
AC (On-grid) terminal	Plug and play connector	
Installation method	Wall-mounted	
Communication	RS485, DRM (optional), WiFi(optional)/GPRS (optional)	

- Specifications are subject to change without any prior notice

600Vdc String Inverter

Single-phase On-grid String Inverter

SIN7K~9K-BS-X2 Series



Product Features

High Yield

- Multi-MPPT design meets the requirement of multi-orientation installation, patented MPPT algorithm increases power generation
- Maximum current up to 15A of a single string is suitable for high efficiency PV module
- Integrated PID function can effectively repair component attenuation and increase power generation

Reliability

- IP66 protection, wide operating temperature, high environment adaptability
- AFCI function, eliminates fire hazards
- Key components are strictly selected to ensure reliable operation of the product over its whole lifecycle

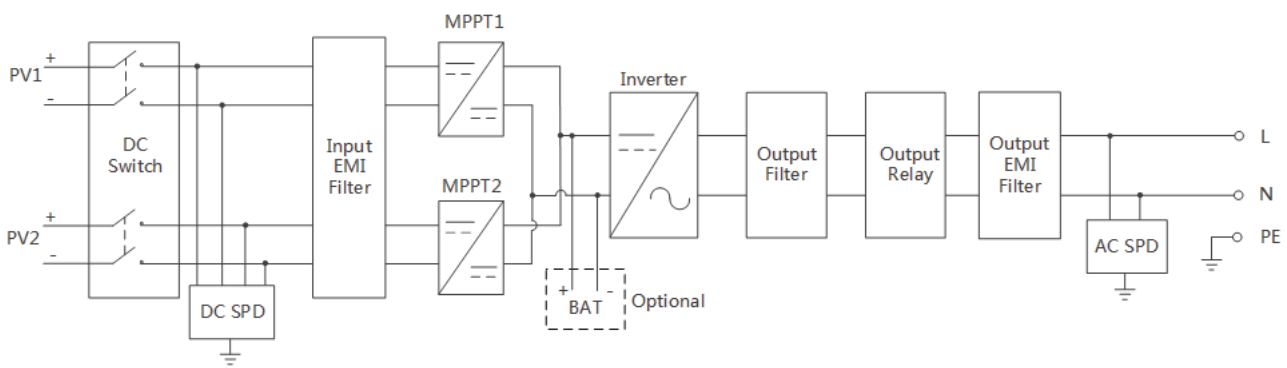
Flexible ESS

- Equipped with ESS function interface, realized the interconnection of PV and ESS
- Flexible multi-term investment of PV and ESS project optimizes ROI of users.

Easy O&M

- Intelligent IV curve scanning achieves efficient O&M
- Intelligent WiseSolar APP+ cloud platform provides all-round visual O&M
- Remote intelligent upgrade service can reduce O&M cost

Function Diagram



Technical Specification

Items	SIN7K-BS-X2	SIN8K-BS-X2	SIN9K-BS-X2
DC Input (PV)			
Max. PV power (recommend)	11.2kWp	12kWp	13.5kWp
Max. PV input voltage	600Vdc		
Rated input voltage	360Vdc		
Max. PV input current	15A/15A		
No. of MPPTs	2		
No.of PV strings per MPPT	1/1		
MPPT voltage range	80~550Vdc		
Starting voltage	80Vdc		
DC switch	Yes		
AC Output (On-grid)			
Rated AC output power	7.0kW	8.0kW	9.0kW
Max. output power	7.7kVA	8.8kVA	9.0kVA
Rated AC output voltage	220Vac/230Vac		
Rated output current	30.4A	34.7A	39.1A
Max. output current	33.5A	38.3A	39.1A
Rated grid frequency	50/60Hz		
Grid frequency range	45~55Hz/55~65Hz		
Power factor	>0.99 (rated power)		
Adjustable power factor	0.8(leading)~0.8(lagging)		
THDI	<3% (rated power)		
Efficiency			
Max. efficiency	98.10%		
European efficiency	97.60%		
MPPT efficiency	99.90%		
Function and protection			
Anti-islanding	Yes		
DC (PV) reversed connection	Yes		
AC short circuit protection	Yes		
Temperature protection	Yes		
Surge protection	DC Type II & AC Type II		
AFCI function	Yes (optional)		
Integrated PID function	Yes (optional)		
Zero-export function	Yes (optional)		
Energy Storage function	Yes (optional)		
General			
Dimensions (W×H×D)	435×370×175mm		
Weight	14kg		
IP grade	IP66		
Self-consumption at night	<1W		
Cooling type	Natural cooling		
Altitude	4000m (>2000m derating)		
Operating temperature	-25°C~60°C		
Operating humidity	0~100%		
Display	LED+APP		
DC (PV) terminal	MC4 Terminal		
AC (On-grid) terminal	Plug and play connector		
Installation method	Wall-mounted		
Communication	CAN, RS485, DRM, Bluetooth (optional), WiFi (optional)/4G (optional)		

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1000Vdc String Inverter

Three-phase On-grid String Inverter

SIN8K~12K-BT-X2 Series



Product Features

High Yield

- Multi-MPPT design meets the requirement of multi-orientation installation, patented MPPT algorithm increases power generation
- Maximum current up to 15A of a single string is suitable for high efficiency PV module
- Integrated PID function can effectively repair component attenuation and increase power generation

Reliability

- IP66 protection, wide operating temperature, high environment adaptability
- AFCI function, eliminates fire hazards
- Key components are strictly selected to ensure reliable operation of the product over its whole lifecycle

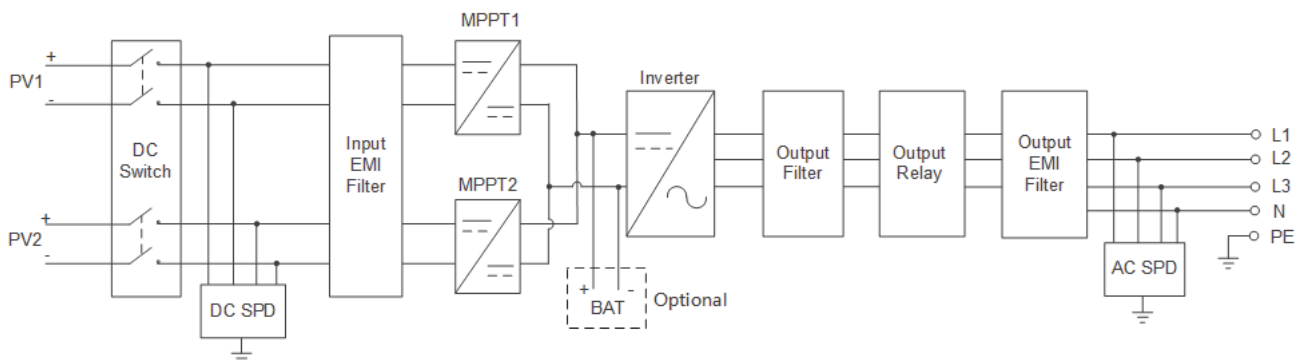
Flexible ESS

- Equipped with ESS function interface, realized the interconnection of PV and ESS
- Flexible multi-term investment of PV and ESS project optimizes ROI of users.

Easy O&M

- Intelligent IV curve scanning achieves efficient O&M
- Intelligent WiseSolar APP+ cloud platform provides all-round visual O&M
- Remote intelligent upgrade service can reduce O&M cost

Function Diagram



Technical Specification

Items	SIN8K-BT-X2	SIN10K-BT-X2	SIN12K-BT-X2
DC Input (PV)			
Max. PV power (recommend)	10.8kWp	13.5kWp	16.2kWp
Max. PV input voltage	1100Vdc		
Rated input voltage	600Vdc		
Max. PV input current	15A/15A		
No. of MPPTs	2		
No.of PV strings per MPPT	1/1		
MPPT voltage range	180-1000Vdc		
Starting voltage	150Vdc		
DC switch	Yes		
AC Output (On-grid)			
Rated AC output power	8.0kW	10.0kW	12.0kW
Max. output power	8.8kVA	11.0kVA	13.2kVA
Rated AC output voltage	380/400/415Vac		
Rated output current	11.6A	14.5A	17.4A
Max. output current	12.8A	15.9A	19.1A
Rated grid frequency	50Hz/60Hz		
Grid frequency range	45~55Hz/55~65Hz		
Power factor	>0.99 (rated power)		
Adjustable power factor	0.8 (leading)~0.8 (lagging)		
THDi	<3% (rated power)		
Efficiency			
Max. efficiency	98.60%		
European efficiency	98.10%		
MPPT efficiency	99.90%		
Function and protection			
Anti-islanding	Yes		
DC (PV) reversed connection	Yes		
AC short circuit protection	Yes		
Temperature protection	Yes		
Surge protection	DC Type II & AC Type II		
AFCI function	Yes (optional)		
Integrated PID function	Yes (optional)		
Zero-export function	Yes (optional)		
ESS function	Yes (optional)		
Certification			
Dimensions (W×H×D)	460×420×182mm		
Weight	16kg		
IP grade	IP66		
Self-consumption at night	<1W		
Cooling type	Natural cooling		
Altitude	4000m (>3000m derating)		
Operating temperature	-35°C~+60°C		
Relative humidity	0~100%		
Display	LED+APP		
DC terminal	MC4 Terminal		
AC terminal	OT Terminal		
Installation method	Wall-mounted		
Communication	RS485, DRM (optional), WiFi (optional)/4G (optional), Bluetooth (optional)		

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1000Vdc String Inverter

Three-phase On-grid String Inverter

SIN15K~25K-BT-X2 Series



Product Features

High Yield

- Multi-MPPT design meets the requirement of multi-orientation installation, patented MPPT algorithm increases power generation
- Maximum current up to 15A of a single string is suitable for high efficiency PV module
- Integrated PID function can effectively repair component attenuation and increase power generation

Reliability

- IP66 protection, wide operating temperature, high environment adaptability
- AFCI function, eliminates fire hazards
- Key components are strictly selected to ensure reliable operation of the product over its whole lifecycle

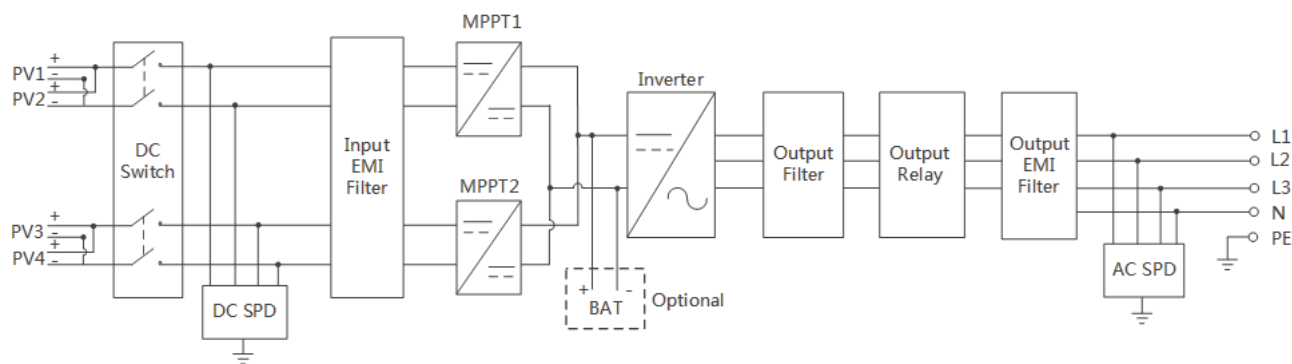
Flexible ESS

- Equipped with ESS function interface, realized the interconnection of PV and ESS
- Flexible multi-term investment of PV and ESS project optimizes ROI of users.

Easy O&M

- Intelligent IV curve scanning achieves efficient O&M
- Intelligent WiseSolar APP+ cloud platform provides all-round visual O&M
- Remote intelligent upgrade service can reduce O&M cost

Function Diagram



Technical Specification

Items	SIN15K-BT-X2	SIN17K-BT-X2	SIN20K-BT-X2	SIN23K-BT-X2	SIN25K-BT-X2
DC Input (PV)					
Max. PV power (recommend)	20.25kWp	22.95kWp	27kWp	31.05kWp	33.75kWp
Max. PV input voltage	1100Vdc				
Rated input voltage	600Vdc				
Max. PV input current	30A/15A		30A/30A		
No. of MPPTs	2				
No.of PV strings per MPPT	2/1		2/2		
MPPT voltage range	180~1000Vdc				
Starting voltage	150Vdc				
DC switch	Yes				
AC Output (On-grid)					
Rated AC output power	15kW	17kW	20kW	23kW	25kW
Max. output power	16.5kVA	18.7kVA	22kVA	25.3kVA	27.5kVA
Rated AC output voltage	380/400/415Vac				
Rated output current	21.7A	24.5A	28.9A	33.2A	36.1A
Max. output current	23.8A	27.0A	31.8A	36.5A	39.7A
Rated grid frequency	50Hz/60Hz				
Grid frequency range	45~55Hz/55~65Hz				
Power factor	>0.99 (rated power)				
Adjustable power factor	0.8 (leading)~0.8 (lagging)				
THDi	<3% (rated power)				
Efficiency					
Max. efficiency	98.60%				
European efficiency	98.10%				
MPPT efficiency	99.90%				
Function and protection					
Anti-islanding	Yes				
DC (PV) reversed connection	Yes				
AC short circuit protection	Yes				
Temperature protection	Yes				
Surge protection	DC Type II & AC Type II				
AFCI function	Yes (optional)				
Integrated PID function	Yes (optional)				
Zero-export function	Yes (optional)				
ESS function	Yes (optional)				
General					
Dimensions (W×H×D)	460×420×182mm				
Weight	17kg				
IP grade	IP66				
Self-consumption at night	<1W				
Cooling type	Intelligent forced air cooling				
Altitude	4000m (>3000m derating)				
Operating temperature	-35°C~60°C				
Relative humidity	0~100%				
Display	LED+APP				
DC terminal	MC4 Terminal				
AC terminal	OT Terminal				
Installation method	Wall-mounted				
Communication	RS485, DRM (optional), WiFi (optional)/4G (optional), Bluetooth (optional)				

- Specifications are subject to change without prior notice.

1000Vdc String Inverter

Three-phase On-grid String Inverter

SIN30K~40K-BT-X2 Series



Product Features

High Yield

- Multi-MPPT design meets the requirement of multi-orientation installation, patented MPPT algorithm increases power generation
- Maximum current up to 15A of a single string is suitable for high efficiency PV module
- Integrated PID function can effectively repair component attenuation and increase power generation

Reliability

- IP66 protection, wide operating temperature , high environment adaptability
- AFCI function, eliminates fire hazards
- Key components are strictly selected to ensure reliable operation of the product over its whole lifecycle

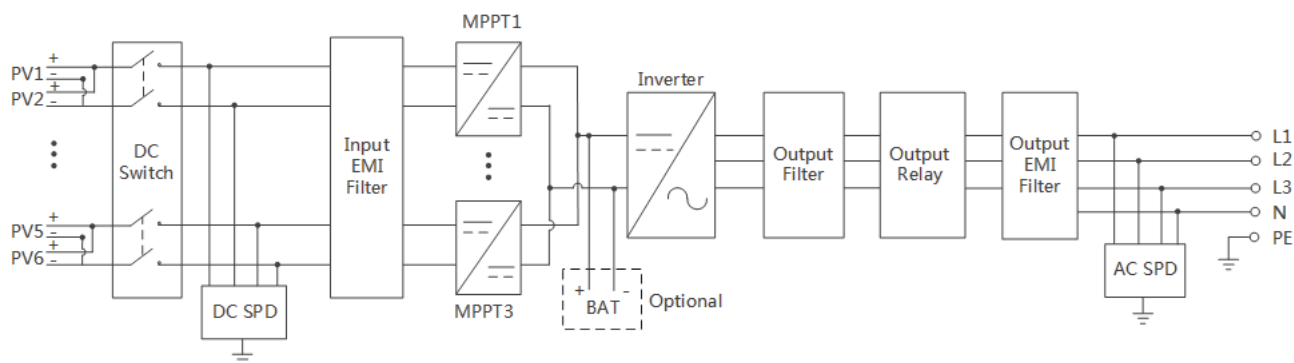
Flexible ESS

- Equipped with ESS function interface, realized the interconnection of PV and ESS
- Flexible multi-term investment of PV and ESS project optimizes ROI of users.

Easy O&M

- Intelligent IV curve scanning achieves efficient O&M
- Intelligent WiseSolar APP+ cloud platform provides all-round visual O&M
- Remote intelligent upgrade service can reduce O&M cost

Function Diagram



Technical Specification

Items	SIN30K-BT-X2	SIN33K-BT-X2	SIN36K-BT-X2	SIN40K-BT-X2
DC Input				
Max. PV input voltage	1100Vdc			
Rated input voltage	600Vdc			
Max. PV input current	30A/30A/30A			
No. of MPPTs	3			
No.of PV strings per MPPT	2/2/2			
MPPT voltage range	180~1000Vdc			
Starting voltage	150Vdc			
DC switch	Yes			
AC Output (On-grid)				
Rated AC output power	30kW	33kW	36kW	40kW
Max. output power	33kVA	36.3kVA	39.6kVA	40kVA
Rated AC output voltage	380/400/415Vac			
Rated output current	43.2A	47.6A	52.0A	57.7A
Max. output current	47.6A	52.4A	57.2A	57.7A
Rated grid frequency	50Hz/60Hz			
Grid frequency range	45~55Hz/55~65Hz			
Power factor	>0.99 (rated power)			
Adjustable power factor	0.8 (leading)~0.8 (lagging)			
THDi	<3% (rated power)			
Efficiency				
Max. efficiency	98.60%			
European efficiency	98.10%			
MPPT efficiency	99.90%			
Function and protection				
Anti-islanding	Yes			
DC (PV) reversed connection	Yes			
AC short circuit protection	Yes			
Temperature protection	Yes			
Surge protection	DC Type II & AC Type II			
AFCI function	Yes (optional)			
Integrated PID function	Yes (optional)			
Zero-export function	Yes (optional)			
ESS function	Yes (optional)			
General				
Dimensions (W×H×D)	550×480×200mm			
Weight	27kg			
IP grade	IP66			
Self-consumption at night	<1W			
Cooling type	Intelligent forced air cooling			
Altitude	4000m (>3000m derating)			
Operating temperature	-35°C~60°C			
Relative humidity	0~100%			
Display	LED+APP			
DC terminal	MC4 Terminal			
AC terminal	OT Terminal			
Installation method	Wall-mounted			
Communication	RS485, DRM (optional), WiFi (optional)/4G (optional), Bluetooth (optional)			

- Specifications are subject to change without prior notice.

1000Vdc String Inverter

Three-phase On-grid String Inverter

SIN50K~60K-BT-X1 Series



Product Features

High efficient

- 3 level topology, maximum efficiency 99%
- 4 MPPT design

Safe and reliable

- Outdoor IP65 design, no derating below 3000m altitude
- All industrial grade electronic device, ensure 25 years full life circle running.

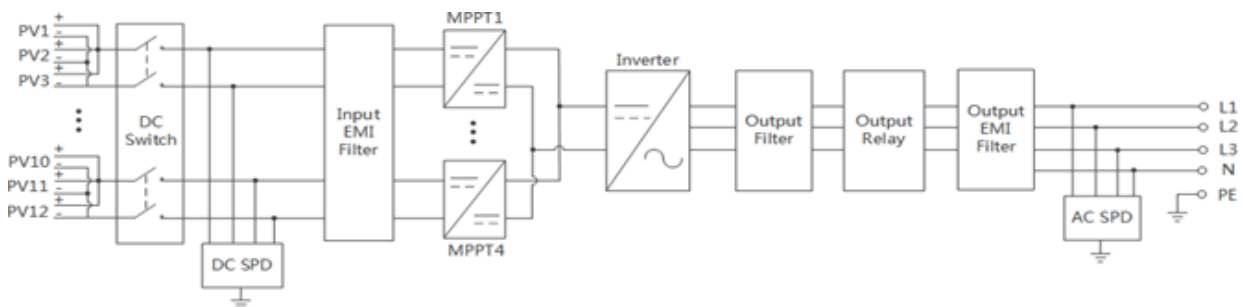
Intelligent management

- Intelligent online upgrade function, easy upgrade and maintain
- Support RS485, Wifi, GPRS communication

Grid friendly

- Grid-connected current harmonics <3%, green adapts to grid
- Ultra wide grid voltage range

Function Diagram



Technical Specification

Items	SIN50K-BT-X1	SIN60K-BT-X1
DC Input (PV)		
Max. PV input voltage	1100Vdc	
Rated input voltage	600Vdc	
Max. PV input current	4×30A	
No. of MPPTs	4	
No.of PV strings per MPPT	3/3/3/3	
MPPT voltage range	300~1000Vdc	
Starting voltage	250Vdc	
DC switch	Yes	
AC Output (On-grid)		
Rated AC output power	50kW	60kW
Max. output power	55kVA	66kVA
Rated AC output voltage	380/400/415Vac	
Rated output current	72.5A	86.6A
Max. output current	79.7A	95.3A
Rated grid frequency	50Hz/60Hz	
Grid frequency range	45~55Hz/55~65Hz	
Power factor	>0.99 (rated power)	
Adjustable power factor	0.8 (leading)~0.8 (lagging)	
THDi	<3% (rated power)	
Efficiency		
Max. efficiency	98.80%	99.00%
European efficiency	98.30%	98.45%
MPPT efficiency	99.90%	
Function and protection		
Anti-islanding	Yes	
DC(PV) reversed connection	Yes	
AC short circuit protection	Yes	
Temperature protection	Yes	
Surge protection	DC Type II & AC Type II	
General		
Dimensions (W×H×D)	600×860×294mm	
Weight	65kg	
IP grade	IP65	
Self-consumption at night	<1W	
Cooling type	Intelligent forced air cooling	
Altitude	4000m (>3000m derating)	
Operating temperature	-25°C~60°C	
Relative humidity	0~100%	
Display	LED+APP	
DC terminal	MC4 Terminal	
AC terminal	OT Terminal	
Installation method	Wall-mounted	
Communication	RS485, WIFI(optional)/GPRS (optional)	

- Specifications are subject to change without prior notice.

1000Vdc String Inverter

Three-phase On-grid String Inverter

SIN100K~125K-BT-X1 Series



Product Features

High efficient

- Advanced three-level technology max. efficiency 98.8%
- 9/6 MPPTs design, compatible with large current / bifacial modules
- High power tracking density @ 400Vac system

System optimization

- DC 2 in 1 connection enabled and compatible with AL AC cables
- PLC communication optional, save cable investment
- Night SVG and quick response

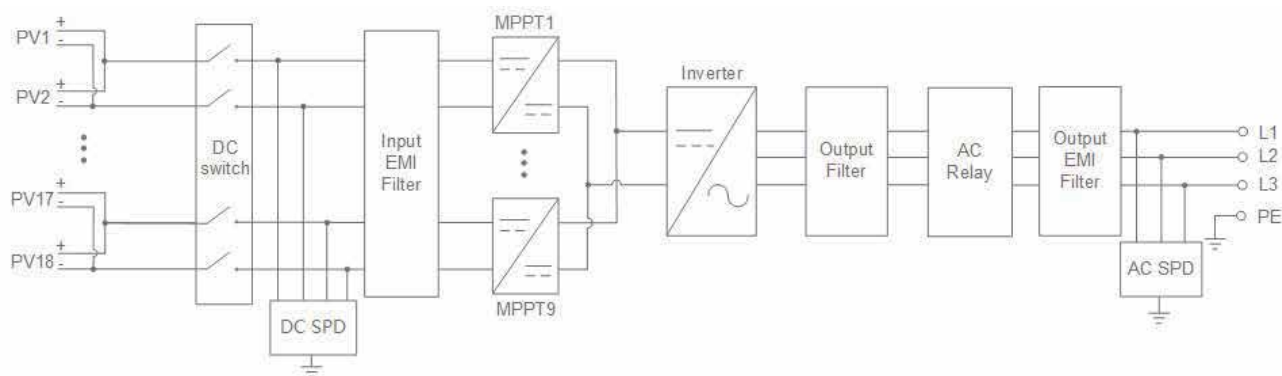
Safe and reliable

- IP66 and C5 anti-corrosion grade, intelligent fan with IP68 protection
- AFCI protection and fire protection, proactively reduces fire risk
- Anti-PID and PID recovery function

Intelligent management

- Intelligent I-V and fault wave recording, quick failure analysis
- Smart online upgrade, easy for system maintenance
- Capacitor detection and life prediction reduce the failure risk

Function Diagram



Technical Specification

Items	SIN100K-BT-X1	SIN110K-BT-X1	SIN125K-BT-X1
DC Input (PV)			
Max. PV input voltage	1100Vdc		
Rated nput voltage	600Vdc		
Max. PV input current	9×30A/6×40A		
No. of MPPTs	9/6		
No.of PV strings per MPPT	2		
MPPT voltage range	200~1000Vdc		
Starting voltage	250Vdc		
DC switch	Yes		
-BT-X1			
AC Output (On-grid)			
Rated AC output power	100kW	110kW	125kW
Max. output power	110kVA	121kVA	137.5kVA
Rated AC output voltage	400Vac		
Rated output current	144.3A	158.8A	180.4A
Max. output current	158.8A	174.7A	198.5A
Rated grid frequency	50/60Hz		
Grid frequency range	45~55Hz/55~65Hz		
Power factor	>0.99 (rated power)		
Adjustable power factor	0.8 (leading)~0.8 (lagging)		
THDi	<3% (rated power)		
Efficiency			
Max. efficiency	98.80%		
European efficiency	98.50%		
MPPT efficiency	99.90%		
Function and protection			
Anti-islanding	Yes		
DC (PV) reversed connection	Yes		
AC short circuit protection	Yes		
Temperature protection	Yes		
Surge protection	DC Type II & AC Type II		
AFCI function	Yes (optional)		
Integrated PID function	Yes (optional)		
IV curve scan and diagnosis	Yes (optional)		
Support night SVG function	Yes (optional)		
General			
Dimensions (W×H×D)	1030×610×345mm		
Weight	80kg		
IP grade	IP66		
Self-consumption at night	<2W		
Cooling type	Intelligent forced air cooling		
Altitude	4000m (>3000m derating)		
Operating temperature	-35~60°C		
Relative humidity	0~100%		
Display	LED+APP		
DC terminal	MC4 Terminal		
AC terminal	OT Terminal		
Installation method	Wall-mounted		
Communication	RS485, PLC (optional), WIFI(optional)/GPRS (optional), Bluetooth		

- Specifications are subject to change without prior notice.

1500Vdc String Inverter

Three-phase On-grid String Inverter

SIN225K~250K-BT-X2 HV Series



Product Features

High efficient

- Advanced three-level technology max. efficiency 99.02%
- 12 MPPT design, compatible with bifacial PV panel
- Anti-PID and PID recovery function

System optimization

- DC 2 in 1 connection enabled and compatible with AL AC cables
- Support PLC communication, save cable investment
- Support night SVG and quick response

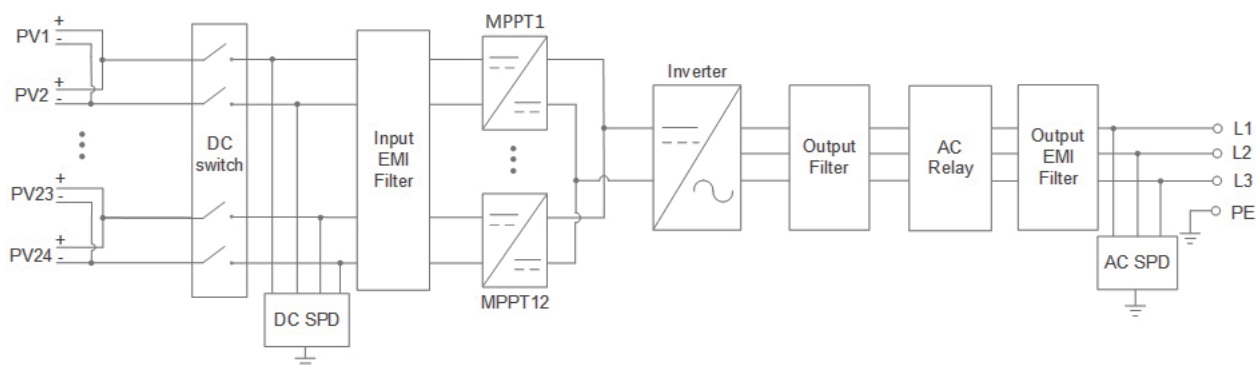
Safe and reliable

- IP66 and C5 anti-corrosion grade, intelligent fan with IP68 protection
- Redundant power supply by AC and DC
- Built-in AC/DC SPD protection

Intelligent management

- Intelligent I-V and fault wave recording, quick failure analysis
- Smart online upgrade, easy for system maintenance
- Capacitor detection and life prediction reduce the failure risk

Function Diagram



Technical Specification

Items	SIN225K-BT-X2 HV	SIN250K-BT-X2 HV
DC Input (PV)		
Max. PV input voltage	1500Vdc	
Rated input voltage	1050Vdc	
Max. PV input current	12×30A	
No. of MPPTs	12	
No.of PV strings per	2	
MPPT voltage range	500~ 1500Vdc	
Starting voltage	500Vdc	
DC switch	Yes	
AC Output (On-grid)		
Rated AC output power	225kW@45°C	250kW@30°C, 235kW@40°C, 220kW@50°C
Max. output power	250kW	250kW
Rated AC output voltage	800Vac	
Rated output current	162.4A	180.4A
Max. output current	178.6A	198.4A
Rated grid frequency	50Hz/60Hz	
Grid frequency range	45~ 55Hz/55~ 65Hz	
Power factor	>0.99 (rated power)	
Adjustable power factor	0.8 (leading)~ 0.8 (lagging)	
THDi	<3% (rated power)	
Efficiency		
Max.Efficiency	99.02%	
European efficiency	98.80%	
MPPT efficiency	99.90%	
Function and protection		
Anti-islanding	Yes	
DC (PV) reversed	Yes	
AC short circuit protection	Yes	
Temperature protection	Yes	
Surge protection	DC Type II & AC Type II	
AFCl function	Yes (optional)	
Integrated PID function	Yes (optional)	
IV curve scan and	Yes (optional)	
Support night SVG	Yes (optional)	
General		
Dimensions (W×H×D)	1100×760×361mm	
Weight	99kg	
IP grade	IP66	
Self-consumption at night	<2W	
Cooling type	Intelligent forced air cooling	
Altitude	4000m (>3000m derating)	
Operating temperature	-35~ 60°C	
Relative humidity	0~ 100%	
Display	LED+APP	
DC terminal	MC4 Terminal	
AC terminal	OT Terminal	
Installation method	Wall-mounted	
Communication	RS485, Bluetooth, PLC (optional), WIFI(optional)/GPRS (optional)	

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1500Vdc String Inverter

Three-phase On-grid String Inverter

SIN320K~350K-BT-X1 HV



Product Features

High efficient

- Advanced three-level technology max. efficiency 99.02%
- 12 MPPT design, Compatible with bifacial PV panel
- Anti-PID and PID recovery function

System optimization

- DC 2 in 1 connection enabled and compatible with AL AC cables
- Support PLC communication, save cable investment
- Support night SVG and quick response

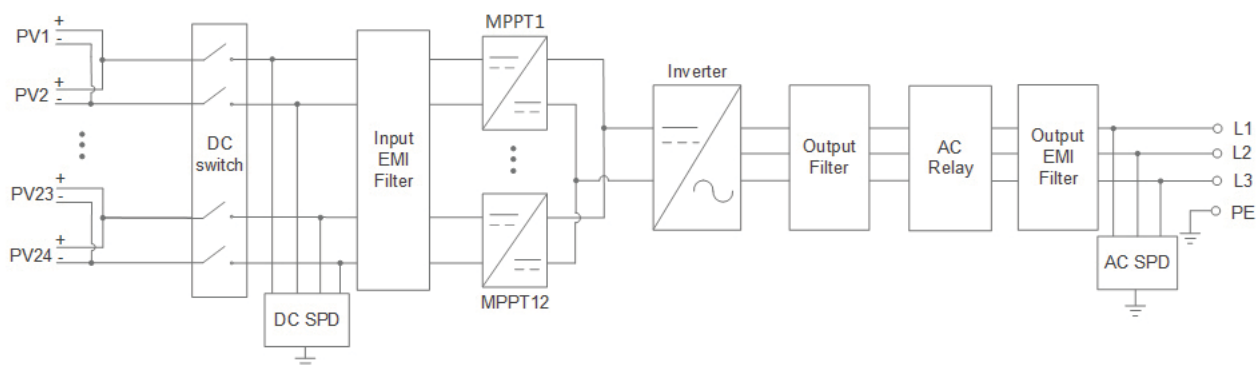
Safe and reliable

- IP66 and C5 anti-corrosion grade, intelligent fan with IP68 protection
- Redundant power supply by AC and DC
- Built-in AC/DC SPD protection

Intelligent management

- Intelligent I-V and fault wave recording, quick failure analysis
- Smart online upgrade, easy for system maintenance
- Capacitor detection and life prediction reduce the failure risk

Function Diagram



Technical Specification

Items	SIN320K-BT-X1 HV	SIN350K-BT-X1 HV
DC Input (PV)		
Max. PV input voltage	1500Vdc	
Rated input voltage	1050Vdc	
Max. PV input current	12×40A	
No. of MPPTs	12	
No.of PV strings per MPPT	2	
MPPT voltage range	500~1500Vdc	
Starting voltage	550Vdc	
DC switch	Yes	
AC Output (On-grid)		
Rated AC output power	320kW	350kW
Max. output power	352kVA	355kVA
Rated AC output voltage	800Vac	
Rated output current	230.9A	252.6A
Max. output current	254A	256.2A
Rated grid frequency	50Hz/60Hz	
Grid frequency range	45~55Hz/55~65Hz	
Power factor	>0.99 (rated power)	
Adjustable power factor	0.8 (leading)~0.8 (lagging)	
THDi	<3% (rated power)	
Efficiency		
Max. efficiency	99.02%	
European efficiency	98.80%	
MPPT efficiency	99.90%	
Function and protection		
Anti-islanding	Yes	
DC (PV) reversed connection	Yes	
AC short circuit protection	Yes	
Temperature protection	Yes	
Surge protection	DC Type II & AC Type II	
AFCI function	Yes (optional)	
Integrated PID function	Yes (optional)	
IV curve scan and diagnosis	Yes (optional)	
Support night SVG function	Yes (optional)	
General		
Dimensions (W×H×D)	1120×800×360mm	
Weight	120kg	
IP grade	IP66	
Self-consumption at night	<3W	
Cooling type	Intelligent forced air cooling	
Altitude	4000m (>3000m derating)	
Operating temperature	-35~60°C	
Relative humidity	0~100%	
Display	LED+APP	
DC terminal	MC4 Terminal	
AC terminal	OT Terminal	
Installation method	Wall-mounted	
Communication	RS485, PLC (optional), WIFI(optional)/4G (optional), Bluetooth	

- Specifications are subject to change without prior notice.

