# **STRING INVERTERS**

SSB Series provide string inverters with the best invention patented topology globally, also we can customize to provide more optional choices for PV power systems.

SSB series has been proved to be outstanding for its features like leading edge efficiency, high cost-effective, modern appearance, friendly inter-face, and ultra-long quality warranty, etc.



#### Features:

### Flexibility

- Transformer-less, smaller and lighter.
- Optimized global MPPT algorithm, MPPT efficiency higher than 99.5%.
- One-button safety setting, easy configuration of all parameters. Built-in independence RTC chip data storage of 25 years.

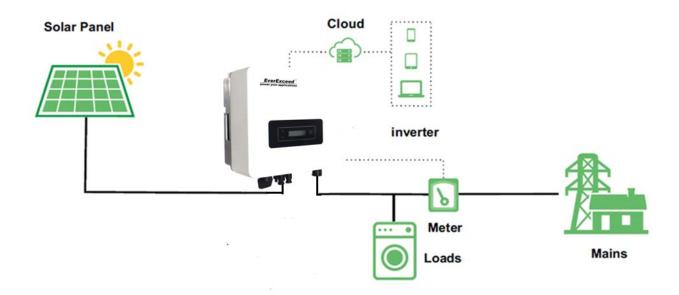
#### Convenience

• Integrated RS232/WIFI/GPRS, RS485 port, for improved communication. Free monitoring anytime anywhere. Local and remote intelligent maintenance by PC and Apps.

#### Reliability

 Key components are from first rank brand supplier worldwide.R&D team are experienced experts in string inverter circle, proven technology create reliable quality.

### Diagram:



### **Technical data**

### A 190	Inverter Model	SSB3600	SSB4000	SSB4600	SSB5000	SSB6000			
### SECTION TO FINAL PROPERTY OF THE PROPERTY	Input Data								
Separation voltage range   Separation voltage   S	Max. DC input power	4700W	5500W	6000W	6500W	7800W			
Author of independent MPPT / trings per MPPT Author of independent MPPT / trings per MPPT Aux. current	Max. DC input voltage			550V					
### Table	Operation voltage range	80V-540V							
Ask. Short Circuit Current per APPT  AC Output Data  Kated output power 3600W 4000W 4600W 5000W 6000W  Alax. output power 4000W 4400W 5000W 5500W 6600W  Alax. output power 5000W 5500W 5500W 6600W  Alax. output power 5000W 5500W 5500W 6600W  Alax. output power 5000W 5000W 5000W 5500W 6600W  Alax. output current 15.7A 18A 20A 21.8A 26.1A  Alax. output current 17.3A 20A 22A 24A 29A  Alax. output current 17.3A 20A 22A 24A 29A  Alax. output current 17.3A 20A 20A 21.8A 26.1A  Alax. output current 17.3A 20A 22A 24A 29A  Alax. output current 18.6Holency  Alax. efficiency 98.2%  Alax. efficiency	Number of independent MPPT / strings per MPPT	2/1+1							
ACC Output Data  Rated output power 3600W 4000W 4600W 5000W 6000W  Rated output power 4000W 4400W 5000W 5500W 6600W  Rated output voltage 220V,230V/±20%  Rated output current 15.7A 18A 20A 21.8A 26.1A  Max. output current 17.3A 20A 22A 24A 29A  Prover factor -0.8-+0.8(adjustable)  Sirld system pattern L+N+PE  Efficiency  Max. efficiency 98.2%  Protection  Input DC switch YES  Protection  Dutput over current ordection  Dutput over voltage ordection  Output over voltage ordection  Anti Islanding protection  Insulation impedance protection  Insulation impedance protection  Insulation impedance protection  PES  Account	MPPT max. current	14A/14A							
Asked output power 3600W 4000W 4600W 5000W 6000W Max. output power 4000W 4400W 5000W 5500W 6600W Max. output power 4000W 4400W 5000W 5500W 6600W Max. output voltage 220V,230V/±20% Sated output requency 50Hz,60Hz/±5Hz Sated output current 15.7A 18A 20A 21.8A 26.1A Max. output current 17.3A 20A 22A 24A 29A 24A 24A 29A 24A 29A 24A 24A 24A 29A 24A 24A 24A 24A 24A 24A 24A 24A 24A 24	Max.Short Circuit Current per MPPT	18A/18A							
### Add ### Ad	AC Output Data								
Rated output voltage 220V,230V/±20% Rated output frequency 50Hz,60Hz/±5Hz  Rated output current 15.7A 18A 20A 21.8A 26.1A  Max. output current 17.3A 20A 22A 24A 29A  Power factor -0.8-+0.8(adjustable)  CHDI <a href="https://doi.org/10.8-40.8(adjustable">adjustable</a> Protection  L+N+PE  Efficiency  Max. efficiency 98.2%  Foretection  Input DC switch yES  Protection  Output over current ordection  Output over current ordection  Output over voltage ordection  Output over current ordection  Anti islanding protection  NES  Insulation impedance protection  YES  Insulation impedance protection	Rated output power	3600W	4000W	4600W	5000W	6000W			
Rated output frequency  Rated output current  15.7A  18A  20A  21.8A  26.1A  Aux. output current  17.3A  20A  22A  24A  29A  29A  29A  29A  29A  29	Max. output power	4000W	4400W	5000W	5500W	6600W			
Rated output current 15.7A 18A 20A 21.8A 26.1A  Max. output current 17.3A 20A 22A 24A 29A  Power factor -0.8~+0.8(adjustable)  FHDI -3%(Nominal Output)  First system pattern L+N+PE  Efficiency  Max. efficiency 98.2%  Protection  Input DC switch YES  Or reverse polarity protection  Output over current output over voltage or ottection  Output over current or output o	Rated output voltage	220V,230V/±20%							
Adax. output current  17.3A  20A  22A  24A  29A  Power factor  -0.8-+0.8(adjustable)  (-3%(Nominal Output)	Rated output frequency	50Hz,60Hz/±5Hz							
Power factor -0.8-+0.8(adjustable)  ITHDI <3%(Nominal Output)  IthDi <3%(Nominal Output)  IthDi <3%(Nominal Output)  IthPE  Ifficiency  Max. efficiency  Max. efficiency  Protection  Input DC switch Input Over current or	Rated output current	15.7A	18A	20A	21.8A	26.1A			
Action of the protection and the	Max. output current	17.3A	20A	22A	24A	29A			
Efficiency  Max. efficiency  Max. efficiency  Protection  Input DC switch Input over current Protection  Cor reverse polarity Protection  Output over voltage Protection  Output over current Purple or voltage Protection  Output over current Protection  Output over current Protection  Output over voltage Protection  Anti islanding protection  YES  Insulation impedance protection  YES  Insulation impedance protection  YES  Insulation impedance protection  YES	Power factor	-0.8~+0.8(adjustable)							
Max. efficiency 98.2% Europe efficiency 97.5%  Protection Input DC switch YES Input over current or ordection Output over voltage or ordection Output over current or ordection Output over current ordection Output over voltage or ordection Output over current ordection	THDi	<3%(Nominal Output)							
Max. efficiency 98.2%  Europe efficiency 97.5%  Protection  Input DC switch YES Input over current YES Input over current YES Input over voltage Or of tection  Dutput over voltage Or of tection  Dutput over current YES Input over current YES Input over voltage YES Input over voltage YES Input over current YES Input over current YES Insulation impedance protection YES Insulation impedance protection	Grid system pattern	L+N+PE							
Protection Input DC switch Input DC switch Input over current Input over current Input over voltage Input over voltage Input over current Input over current Input over voltage Input over voltage Input over current Input ov	Efficiency								
report DC switch Input DC switch Input over current Input over voltage Input over voltage Input over voltage Input over current	Max. efficiency			98.2%					
nput DC switch  nput over current protection  CC reverse polarity protection  Dutput over voltage protection  Dutput over current protection  Anti islanding protection  YES  YES  YES  YES  YES  YES  YES  YE	Europe efficiency	97.5%							
nput over current or of tection  CC reverse polarity Dutput over voltage or of tection  Cutput over current or of tection  Cutput over current or of tection  Anti islanding protection  YES  Technology  YES  Technology  YES  YES  YES  Technology  YES  YES  YES  Technology  YES  YES  Technology  YES  YES  Technology	Protection								
orotection  OC reverse polarity protection  Output over voltage protection  Output over current orotection  Anti islanding protection  TES  YES  YES  YES  YES  YES  YES  YES	Input DC switch	YES							
Output over voltage Protection  Output over current Output over current Orotection  Anti islanding protection  TES  TES  TES  YES  YES  YES  YES  YES	Input over current protection	YES							
Output over current YES  Output over current YES  Anti islanding protection YES  Insulation impedance protection YES	DC reverse polarity protection	YES							
Anti islanding protection  YES  Insulation impedance protection  YES  YES	Output over voltage protection	YES							
nsulation impedance protection YES	Output over current protection	YES							
	Anti islanding protection	YES							
RCD detection YES	Insulation impedance protection	YES							
	RCD detection			YES					

## **Technical data**

Inverter Model	SSB3600	SSB4000	SSB4600	SSB5000	SSB6000			
General Data								
Dimensions(W/L/H)mm	330/312/170							
Weight	10kg							
Noise	<25dB							
Operation temperature range	-25℃~+60℃							
Heat dissipation mode	Natural							
IP Class	IP65							
Maximum altitude	4000m							
Self-Consumption night	<1w							
Topology	Transformerless							
Features								
LCD display	YES							
Communication interface	WIFI/GPRS/RS485(optional)							
Warranty	5 years (standard)							
Standards	IEC62109-1,IEC62109-2,NB/T32004,VDE-AR-N4105,EN50549,AS 477							