



Three-phase String Inverter

SPI30K-B/SPI36K-B/SPI40K-B/
SPI50K-B/SPI60K-B

High Efficiency:

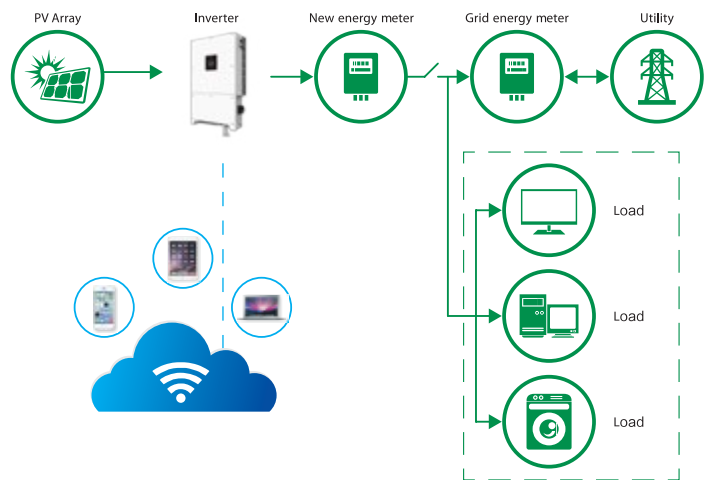
- Soft switch + 3 level topology, maximum efficiency up to 99%
- 4 MPPTs design, complex installation adaptability

Intelligent Management:

- Intelligent fault wave recording, quick failure analysis
- I&V Intelligent diagnosis, accurate identification and positioning of abnormal PV panels
- Intelligent online upgrade function, easy upgrade and maintain
- Support RS485, Wifi, GPRS communication

Safe and Reliable:

- Outdoor IP65 design, no derating below 3000m altitude
- Integrated AC/DC full lightning protection



Grid Friendly:

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

Technical Specification:

Items	SPI30K-B	SPI36K-B	SPI40K-B	SPI50K-B	SPI60K-B
DC Input					
Max. PV Power (kW)	35	40	46	57	67
Max. PV Input Voltage (Vdc)	1000	1000	1000	1100	1100
Max. PV Input Current (A)	3x22	3x30	3x30	4x30	4x30
No. of MPPTs/Strings	3/6	3/9	3/9	4/12	4/12
MPPT Voltage Range (Vdc)	300~1000				
Start Up Voltage (Vdc)	350				
MPPT Efficiency	99.9%				
AC Output					
Nominal AC Output Power(kW)	30	36	40	50	60
Max. Output Power (kW)	33	40	44	55	66
Nominal AC Voltage (Vac)	380/400				
Rated Output Current (A)	45.6	54.7	60.8	75.9	91.2
Max. Output Current (A)	50.1	60.8	66.9	83.6	100.3
Nominal Grid Frequency (Hz)	50/60				
Grid Frequency Range (Hz)	45~55/55~65				
Power Factor	>0.99 (full load)				
PF Adjustable Range	0.8 (leading)~0.8 (lagging)				
THDI	<3% (nominal power)				
Efficiency					
Max.Efficiency	98.5%	98.7%	98.8%	99%	99%
European Efficiency	98.3%	98.4%	98.4%	98.4%	98.5%
Protection					
Anti-islanding	Yes				
DC Reverse Connection	Yes				
AC Short Circuit	Yes				
Leakage Current Protection	Yes				
Surge Protection	Yes				
PV Fault Detect	Yes				
DC Switch	Optional				
System Data					
Dimensions (WxHxD)(mm)	530x700x360	600x850x275			
Weight (kg)	58	60	60	65	65
IP Grade	IP65				
Night Consumption	<1W				
Cooling	Nature cooling	Intelligent forced air cooling			
Altitude	4000m (>3000m derating)				
Operating Temperature Range (°C)	-25~+60				
Operating Humidity	0~95% (non-condensation)				
Display	LCD+LED				
Communication	RS485/WIFI/GPRS				

- Specifications are subject to change without prior notice.