Three-phase On-grid String Inverter

SPI30K~36K-B X2 Series

High Yield

- Multi-MPPT design with max efficiency 98.6%
- Up to 15A max current per PV string

Safe and reliable

- IP66 protection, wide operating temperature, high environment adaptability
- Optional AFCI function, eliminates fire hazards

Easy O&M

- Intelligent Wisesolar Plus
- APP+Cloud platform support remote upgrade service provides all-round visual O&M
- Compact and light weight for easy O&M

Grid friendly

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



Technical Specification

Items	SPI30K-B X2	SPI33K-B X2	SPI36K-B X2
DC Input(PV)			
Max. PV input voltage	1100Vdc		
Rated input voltage	600Vdc		
Max.current per MPPT	30A/30A/30A		
No. of MPPTs	3		
No. of PV strings per MPPT	2/2/2		
MPPT voltage range	180~1000Vdc		
Starting voltage	180Vdc		
DC switch	Yes		
AC Output (On-grid)			
Rated AC output power	30kW	33kW	36kW
Max. output power	33kVA	36.3kVA	39.6kVA
Rated AC output voltage	380/400Vac		
Rated output current	43.2A	47.6A	52.0A
Max. output current	47.6A	52.4A	57.2A
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	98.60%		
European efficiency	98.20%		
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 III (Type II optional)		
AFCI function	Yes (optional)		
Integrated PID function	Yes (optional)		
Zero-export 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	-35ºC~60ºC		
Relative humidity	0~100%		
Display	LED+APP		
DC terminal	MC4 Terminal		
AC terminal	OT Terminal		
Installation method	Wall-mounted		
Communication	RS485 (optional), DRM (optional), WIFI /4G (optional)		
Compliance	EN 62109-1/2, IEC 62109-1/2, EN IEC 61000-6-1/3, IEC 62116, IEC 61727, EN 50549-1, NC RfG, CEI 0-21, CEI 0-16		

- *Data under laboratory test conditions.
- Specifications are subject to change without prior notice