

Three-phase On-grid String Inverter

SPI30K~36K-B X2 Series



High Yield

- Multi-MPPT design with max efficiency 98.6%
- Up to 15A 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			
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	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 II		
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	-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, Wi-Fi		
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..

XIAMEN KEHUA DIGITAL ENERGY TECH CO., LTD.

Add: Room 208-38, Hengye Building, No. 100 Xiangxing Road, Torch High-tech Zone (Xiang'an) Industrial Zone, Xiamen,China(361000)

Tel: +86-592-5160516 Fax: +86-592-5162166 Email: Intertrade@kehua.com

Web: www.kehua.com

