

Three-phase On-grid String Inverter

SPI15K~25K-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	SPI15K-B X2	SPI17K-B X2	SPI20K-B X2	SPI23K-B X2	SPI25K-B X2
DC Input (PV)					
Max. PV input voltage	1100Vdc				
Rated input voltage	600Vdc				
Max.current per MPPT	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	180Vdc				
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	400Vac				
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)				
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, Wi-Fi				
Compliance	EN 62109-1/2, IEC 62109-1/2, EN IEC61000-6-1/3, IEC 62116, IEC 61727, EN 50549-1, NC RfG, CEI 0-21				

- *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

