

Technical Specification

Items	SPI7000-B X2	SPI8000-B X2	SPI9000-B X2	SPI10000-B X2P
DC Input (PV)				
Max. PV power (recommend)	11.2kWp	12kWp	13.5kWp	15kWp
Max. PV input voltage	600Vdc			
Rated input voltage	360Vdc			
Max.current per MPPT	15A/15A			16A/16A/16A
No. of MPPTs	2			3
No. of PV strings per MPPT	1/1			1/1/1
MPPT voltage range	50~550Vdc			50~595Vdc
Starting voltage	80Vdc			
DC switch	Yes			
AC Output (On-grid)				
Rated AC output power	7.0kW	8.0kW	9.0kW	10.0kW
Max. output power	7.7kVA	8.8kVA	9.0kVA	10.0kVA
Rated AC output voltage	220Vac/230Vac			
Rated output current	30.4A	34.7A	39.1A	43.5A
Max. output current	33.5A	38.3A	39.1A	43.5A
Rated grid frequency	50/60Hz			
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	98.10%			
European efficiency	97.60%			
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)	435*370*175mm			
Weight	14kg			14.5kg
IP grade	IP66			
Self-consumption at night	<1W			
Cooling type	Natural cooling			
Altitude	4000m (>3000m derating)			
Operating temperature	-35°C~60°C			
Operating humidity	0~100%			
Display	LED+APP			
DC terminal	MC4 Terminal			
AC terminal	Plug and play connector			
Installation method	Wall-mounted			
Communication	RS485, DRM (optional), WIFI /4G (optional)			
Compliance	EN 62109-1/2, IEC 62109-1/2, EN IEC 61000-6-1/3, IEC 62116, IEC 61727, INMETRO			

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