Three-phase On-grid String Inverter

SPI300~350K-B-H X2

High Yield

- Rated output power at 1400Vdc
- Up to 75A max current per MPPT, compatible with large current and bifacial modules

Safe and Reliable

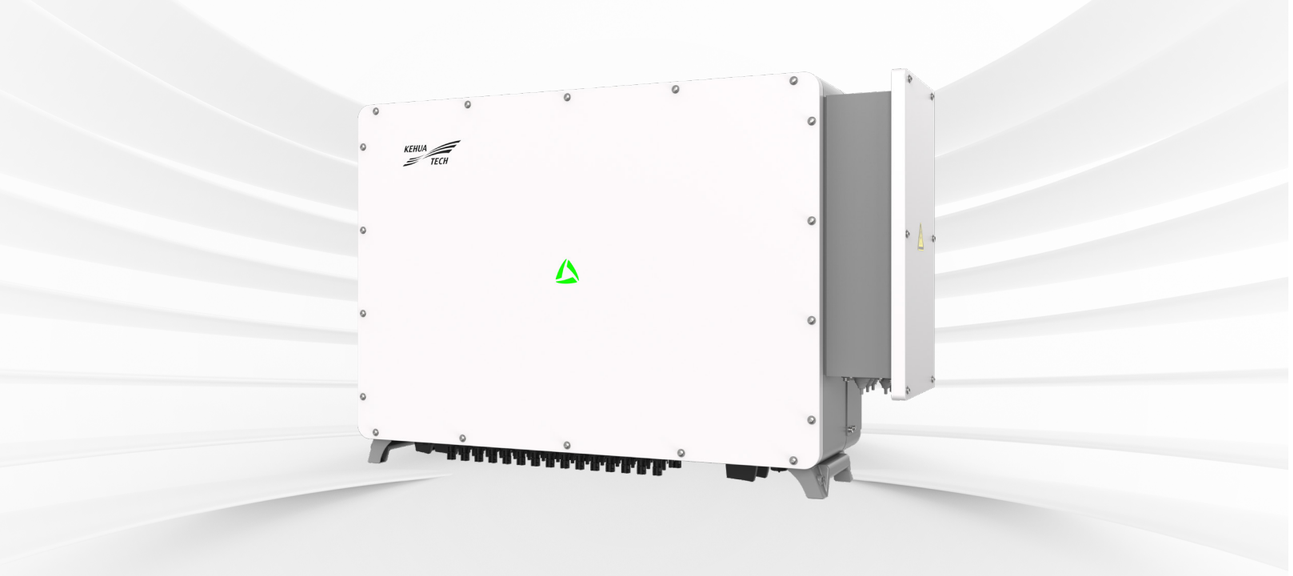
- IP66 and optional C5 anti-corrosion intelligent fan with IP68 protection
- Intelligent DC&AC terminal temperature monitoring and PV shutdown for system safety

Easy O&M

- Optional Intelligent I-V and fault wave recording, quick failure analysis
- Intelligent self-cleaning fan removes dust, reducing manual cleaning costs

System optimization

- Optional PLC communication, save communication cable investment
- Optional Q at night function
- Quick dynamic response



Technical Specification

Items	SPI300K-B-H X2	SPI320K-B-H X2	SPI330K-B-H X2	SPI350K-B-H X2
DC Input (PV)				
Max. PV input voltage	1500Vdc			
Rated input voltage	1080Vdc			
Max. current per MPPT	75A			
No. of MPPTs	6			
No. of PV strings per MPPT	5			
MPPT voltage range	500~1500Vdc			
Starting voltage	550Vdc			
DC switch	Yes			
AC Output (On-grid)				
Rated AC output power	300kW	320kW	330kW	350kW
Max. output power	330kW	352kW	363kW	363kW
Rated AC output voltage	800Vac/3W3P+PE			
Rated output current	216.5A	230.9A	238.2A	252.5A
Max. output current	238.2A	254A	262A	262A
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	99.0%			
European efficiency	98.5%			
MPPT efficiency	99.9%			
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)			
IV curve scan and diagnosis	Yes (Optional)			
Support night SVG function	Yes (Optional)			
General				
Dimensions (W*H*D)	1200*800*360mm			
Weight*	130kg			
IP grade	IP66			
Self-consumption at night	<5W			
Cooling type	Intelligent forced air cooling			
Altitude	4000m(>3000m derating)			
Operating temperature	-35~60ºC			
Relative humidity	0~100%			
Display	LED+APP			
AC terminal	OT/DT Terminal			
Installation method	Wall-mounted			
Communication	RS485, PLC (Optionall), Wi-Fi (Optional)			
Compliance	EN IEC 62109-1/2, EN IEC 62920, EN IEC 61000-6-2/4, IEC 62116, IEC 61727, EN 50549-2/-10, NC RfG, CEI 0-16			

- *Efficiency data under laboratory test conditions.
- *Weight data under laboratory test and no accessories.