

Central-distributed Three-phase PV Inverter

SPI1000K-BS/SPI1000K-BS (Container)/SPI2000K-BS (Container)



Product Features

Maximizing your revenue

- Efficiency 3% higher than the centralized solution
- Suitable for complex environment like uneven ground
- System cost 10% lower than string inverter solution
- 1MW with 44 MPPT, increase power generation
- Compared with string inverter solution, no multi-machine parallel harmonic, no resonance, easy dispatching

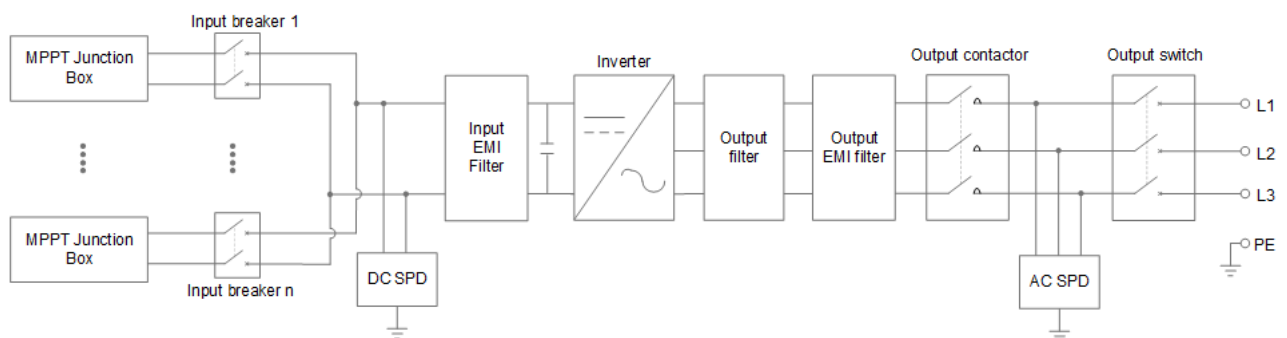
Higher system efficiency

- Multi-MPPT with higher MPPT efficiency
- DC input & AC output voltage increase 40%
- Reduce the DC & AC line lose
- Higher inverter efficiency

Reduce system mismatch caused by single string fault

- If one PV string is affected by dust, shadow, aging or short circuit, etc. Centralized solution would cause buckets effect
- For Central-Distributed Solution, other parts of the system will not be affected

Function Diagram



Technical Specification

Items	SPI1000K-BS	SPI1000K-BS (Container)	SPI2000K-BS (Container)
DC input			
Max. input power	1123kW	1123kW	2×1123kW
Max. input voltage	1000Vdc		
Max. input current	1404A	1404A	2×1404A
No. of PV input strings	11~14(optional)	11~14(optional)	22~28(optional)
Voltage range	720Vdc~950Vdc		
AC output			
Rated AC output power	1000kW	1000kW	2000kW
Max. output power	1100kW	1100kW	2200kW
Max. output current	1221A	1221A	2442A
Rated AC output voltage	520Vac		
Rated frequency	50Hz/60Hz		
Power factor	>0.99		
Adjustable power factor	0.9 (leading)~0.9 (lagging)		
THDi	<3% (nominal power)		
Efficiency			
Max. efficiency	99.00%		
European efficiency	98.70%		
Efficiency			
LVRT function	Yes		
AC side parallel technology	Yes		
Anti-PID function	Optional		
Fault wave record diagnosis	Yes		
IV curve intelligent diagnostic function	Yes		
Online upgrade	Yes		
System data			
Dimensions (WxHxD)	1400×2000×800mm	2438×2591×1150mm	2438×2591×2290mm
Weight	1100kg	2500kg	4000kg
IP Grade	IP20	IP54	
Night power consumption	<20W	<40W	
Cooling type	Intelligent forced air cooling		
Altitude	6000m (>3000m derating)		
Operating temperature	-35°C~60°C		
Relative humidity	0~95% (no condensation)	0~100%	
Display	LCD		
Communication	RS485, Ethernet (optional)		

■ Specifications are subject to change without prior notice.