



Central-distributed Three-phase PV Inverter

SPI1000K-BS/
SPI1000K-BS/SPI2000K-BS (with container)

Maximizing Your Revenue:

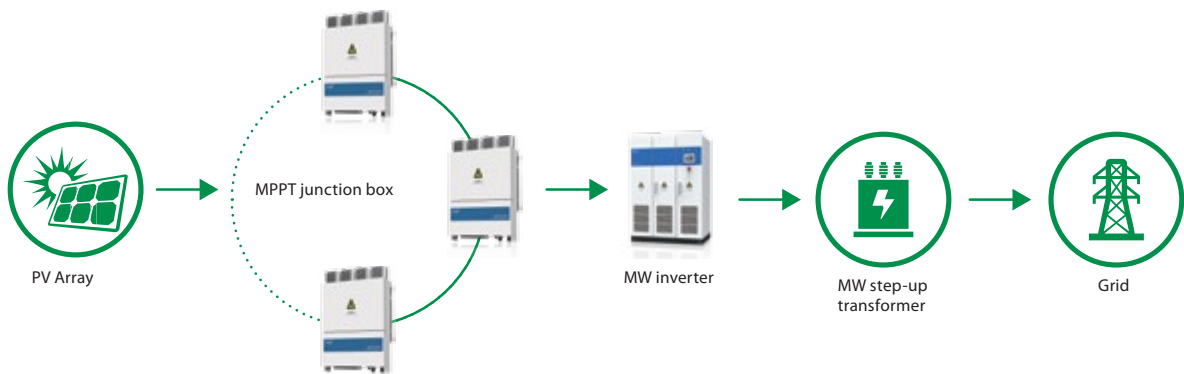
- Efficiency 3% higher than the central solution
- Suitable for complex environment like uneven ground
- System cost 10% lower than string inverter solution
- 1MW with 48 MPPT, increase power generation
- Compared with string inverter solution, no multimachine parallel harmonic, no resonance, easy dispatching

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., Central solution would cause buckets effect
- For Central-distributed Solution, other parts of the system will not be affected



Technical Specification:

Items	SPI1000K-BS	SPI1000K-BS (with container)	SPI2000K-BS (with container)
DC Input			
Max. PV Power (kW)	1123	1123	2×1123
Max. PV Input Voltage (Vdc)	1000		1000
Max. DC Current	1404	1404	2×1404
PV Input Strings Number	11~14 (optional)	11~14 (optional)	22~28 (optional)
Input Voltage Range (V)	720~950	720~950	720~950
AC Output			
Nominal AC Output Power (kW)	1000	1000	2000
Max. Output Power (kW)	1100	1100	2200
Max. Output Current (A)	1221	1221	2442
Nominal AC Voltage (Vac)	520	520	520
Nominal Grid Frequency (Hz)	50/60	50/60	
Power Factor (nominal power)	>0.99		
PF Adjustable Range	0.9 (leading)~0.9 (lagging)		0.9 (leading)~0.9 (lagging)
THDi	<3% (nominal power)		
Efficiency			
Max. Efficiency	99.30%	99.30%	99.30%
European Efficiency	98.90%	98.90%	98.90%
Other			
LVRT Function	Yes	Yes	
AC Side Parallel Technology	Yes	Yes	
PID REPAIR	Yes	Yes	
Fault Wave Record Diagnosis	Yes	Yes	
IV Curve Intelligent Diagnostic Function	Yes	Yes	
Online Upgrade	Yes	Yes	
System Data			
Dimensions (W×H×D) (mm)	1400×2000×800	2438×2591×1150	2438×2591×2290
Weight (kg)	1100	2500	4000
IP Grade	IP20	IP54	
Night Consumption	<20W	<40W	
Cooling	Intelligent forced air cooling		Intelligent forced air cooling
Altitude	6000m (>3000m derating)		6000m (>3000m derating)
Operating Temperature Range (°C)	-35~60		
Operating Humidity	0~95% (Non-condensation)		
Display	LCD		
Communication	RS485, Ethernet (optional)		RS485, Ethernet (optional)

- Specifications are subject to change without prior notice.