



25KW-36KW Three-MPPT Three-Phase Grid-tied Inverter

The brand new JSI-SMT series inverter is ideal for medium and large-scale commercial rooftop installations, providing a maximum efficiency of 98.8 percent and up to three MPPT routes for a particular environment. With its weight of just 40 kg and compact design, the SMT series is easier to handle and install than similar inverters in the market. Featuring a maximum DC input voltage of 1100 V, wider MPPT range, and a start-up voltage of 180 V, the SMT series guarantees an earlier generation of power and a longer working time in order to maximize long-term returns and profitability for the system owner.

PRODUCT FEATURE

- Compact and lightweight
- 30% DC input oversizing
- Up to 10% AC output overloading
- Wide MPPT range from 200 V to 950 V
- IP65 dustproof and waterproof

JSI-SMT Series

Technical Data	JSI-SMT-25K	JSI-SMT-30K	JSI-SMT-36K	
DC Input Data	Max. DC Input Power (W)	32500	39000	42900
	Max. DC Input Voltage (V)	1100	1100	1100
	MPPT Voltage Range (V)	200~950	200~950	200~950
	Start-up Voltage (V)	180	180	180
	MPPT Range for Full Load (V)	470-860	470-860	510-860
	Nominal DC Input Voltage (V)	600	600	600
	Max. Input Current (A)	25/25/25	25/25/25	25/25/25
	Max. Short Current (A)	31.3/31.3/31.3	31.3/31.3/31.3	31.3/31.3/31.3
	No. of MPP Trackers	3	3	3
	No. of Input Strings per Tracker	2/2/2	2/2/2	2/2/2
AC Output Data	Nominal Output Power (W)	25000	30000	33000
	Max. Output Apparent Power (VA)	27500	33000*1	36000
	Max. Output Power (W)	27500	33000*1	36000
	Nominal Output Voltage (V)		400, 3L/N/PE or 3L/PE	
	Nominal Output Frequency (Hz)	50/60	50/60	50/60
	Max. Output Current (A)	40	48	53.3
	Output Power Factor		~1 (Adjustable from 0.8 leading to 0.8 lagging)	
	Output THDi (@Nominal Output)	<3%	<3%	<3%
Efficiency	Max. Efficiency	98.7%	98.8%	98.8%
	Euro Efficiency	98.4%	98.5%	98.5%
	MPPT Efficiency	99.9%	99.9%	99.9%
Protection	Anti-islanding Protection	Integrated	Integrated	Integrated
	Input Reverse Polarity Protection	Integrated	Integrated	Integrated
	PV String Current Monitoring	Integrated	Integrated	Integrated
	Anti-PID Function for Module	Optional	Optional	Optional
	Insulation monitoring	Integrated	Integrated	Integrated
	PV Module Anti-PID			
	DC SPD Protection	Optional (Type II)	Optional (Type II)	Optional (Type II)
	AC SPD Protection	Optional (Type II)	Optional (Type II)	Optional (Type II)
	Residual Current Monitoring Unit	Integrated	Integrated	Integrated
	AC Over Current Protection	Integrated	Integrated	Integrated
AC Short Protection	Integrated	Integrated	Integrated	
AC Over Voltage Protection	Integrated	Integrated	Integrated	
General Data	Ambient Temperature Range (°C)	-30~60	-30~60	-30~60
	Relative Humidity	0~100%	0~100%	0~100%
	Operating Altitude (m)	≤ 4000	≤ 4000	≤ 4000
	Cooling	Fan Cooling	Fan Cooling	Fan Cooling
	Noise (DB)	45	45	45
	Display	LCD & LED or LED + WiFi APP	LCD & LED or LED + WiFi APP	LCD & LED or LED + WiFi APP
	Communication	RS485 or WiFi or GPRS or PLC (with screen) ; WiFi+RS485 or WiFi+GPRS (without screen)		
	Weight (kg)	40	40	40
	Dimension (Width*Height*Depth mm)	480*590*200	480*590*200	480*590*200
	Protection Degree	IP65	IP65	IP65
	Night Self Consumption (W)	<1	<1	<1
	Topology	Transformerless	Transformerless	Transformerless
Certifications & Standards	Grid Regulation	AS4777.2/VDE0126-1-1/VDE-AR-N 4105		
	Safety Regulation	IEC62109-1&2		
	EMC Regulation	EN 61000-6-1/EN 61000-6-2/EN 61000-6-3,/EN 61000-6-4		

*1: 30000 under AS4777.2.