



17K-25KW Dual-MPPT, Three-Phase

The JSI-DT series inverter is suitable for commercial and industrial roofs as well as small and medium-sized photovoltaic power systems. Because of the reliable grid support capabilities, high waterproof and dustproof grade and extra-wide voltage range of module, it can not only be used in commercial roof and commercial power station PV systems, but also is qualified for the design requirements of large-megawatt power stations.

PRODUCT FEATURE

- Easy wall mounting
- Super large 5-inch LCD
- RS485 and Wi-Fi communication
- IP65 dustproof and waterproof
- 30% Lighter

Technical Data	JSI-DT-10K	JSI-DT-20K	JS-DT-25K	
PV String Input Data	Max. DC Input Power (W)	22100	26000	32500
	Max. DC Input Voltage (V)*	1000	1000	1000
	MPPT Range (V)	260-850	260-850	260-850
	Start-up Voltage (V)	250	250	250
	MPPT Range for Full Load (V)	400-850	470-850	480-850
	Nominal DC Input Voltage (V)	620	620	620
	Max. Input Current (A)	22/22	22/22	27/27
	Max. Short Current (A)	27.5/27.5	27.5/27.5	33.8/33.8
	No. of MPP Trackers	2	2	2
	No. of Input Strings per Tracker	2	2	3
AC Output Data	Nominal Output Power (W)	17000	20000	25000
	Max. Output Apparent Power (VA)	17000	20000	25000
	Nominal Output Voltage (V)	400, 3L/N/PE	400, 3L/N/PE	400, 3L/N/PE
	Nominal Output Frequency (Hz)	50/60	50/60	50/60
	Max. Output Current (A)	25	30	37
	Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)		
	Output THDi (@Nominal Output)	<1.5%	<1.5%	<1.5%
	AC Voltage Range (V)	184-264.5	184-264.5	184-264.5
	AC Frequency (Hz)	45-55	45-55	45-55
Efficiency	Max. Efficiency	98.2%	98.4%	98.4%
	Euro Efficiency	97.7%	98.1%	98.1%
Protection	Anti-islanding Protection	Integrated	Integrated	Integrated
	Input Reverse Polarity Protection	Integrated	Integrated	Integrated
	Insulation Resistor Detection	Integrated	Integrated	Integrated
	DC SPD Protection	Integrated	Integrated	Integrated
	Residual Current Monitoring Unit	Integrated	Integrated	Integrated
	Output Over Current Protection	Integrated	Integrated	Integrated
	Output Short Protection	Integrated	Integrated	Integrated
	Output Over Voltage Protection	Integrated	Integrated	Integrated
General Data	Operating Temperature Range (C)	-25-60	-25-60	-25-60
	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
	User Interface	LCD & LED	LCD & LED	LCD & LED
	Communication	RS485 or WiFi	RS485 or WiFi	RS485 or WiFi
	Weight (kg)	39	39	40
	Size (Width*Height*Depth mm)	516*650*203	516*650*203	516*650*203
	Protection Degree	IP65	IP65	IP65
	Night Self Consumption (W)	<1	<1	<1
Topology	Transformerless	Transformerless	Transformerless	
Certifications & Standards	Grid Regulation	VDE0126-1-1, VDE-AR-N 4105, AS4777.2, G83/2, EN50438(PL), EN50438(SW), EN50438(IR), NRS 097-2-1, ERDF-NOI-RES_13E, IEC61727, IEC62116	VDE0126-1-1, VDE-AR-N 4105, AS4777.2, G83/2, EN50438(PL), EN50438(SW), EN50438(IR), NRS 097-2-1, ERDF-NOI-RES_13E, IEC61727, IEC62116, MEA, PEA	VDE0126-1-1, VDE-AR-N 4105, AS4777.2, G83/2, EN50438(PL), EN50438(SW), EN50438(IR), NRS 097-2-1, ERDF-NOI-RES_13E, IEC61727, IEC62116
	Safety Regulation	IEC62109-1&2	IEC62109-1&2	IEC62109-1&2
	EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4		

*: Maximum operating voltage is 950V.