

MT Series Technical Data



Just Solar Central series inverter is used in small/middle size commercial solar power plants, industrial rooftop distributed solar power plants and large-scale ground grid tied solar power plants, especially suitable for Chinese Golden Sun projects. This kind of inverters adopts industrial design philosophy as well as proven inverter control technology, to ensure a long service life - 25 years. Its advanced LVRT (Low Voltage Ride Through) technology and unique intelligent backflow protection technique are able to make output power line control; the very low harmonic output and very high transfer efficiency provide a strong support for green and efficient power plants operation, which can be widely used in AC networks with different structures. And the SVG (Static Var Generator) technology saves reactive power invests of photovoltaic power station. Additionally, the strict quality-monitoring system and production process control system of Just Solar provide a firm protection for the quality of inverters.

Technical Data

DC Input Data						
Max. DC voltage [V]	1000Vdc			1000Vdc		
MPPT voltage range [V] Max.	450~820Vdc			450~820Vdc		
PV-generator power [kW]	55kWp	110kWp	275kWp	550kWp	275kWp	550kWp
MPPT adaptation efficiency	>99%			>99%		
Max. DC current [A]	130A	250A	600A	1200A	600A	1200A
Max. Input numbers	2	3	5	10	8	10
AC Output Data						
Nominal output power [kW]	50kW	100kW	250kW	500kW	250kW	500kW
Nominal output voltage [V]	400Vac			270Vac		
Grid voltage range [V] Nominal	310~450Vac			310~450Vac (270/400TransformerS)		
grid frequency [Hz] Grid	50Hz/60Hz			50Hz/60Hz		
frequency range [Hz] THDi	47.5~52.5Hz/57~63Hz			(47.5~52.5Hz)/(57~63)Hz		
Power factor	<1%T(Nominal power); <3% (1/4TNominal power) ≥0.99(Nominal power)			<1%T(Nominal power); <3%T(1/4Nominal power) ≥0.99(Nominal power)		
System						
Max. efficiency						
European efficiency	96.3%	97.1%	97.3%	97.5%	98.2%	98.8%
IP protection class	95.3%	96.4%	96.5%	96.8%	97.8%	98.6%
Operating temperature range	IP20			IP20		
Cooling	-25~+55°C			-25~+55°C		
Relative humidity	Fan cooling			Fan cooling		
Display	0~95%, non-condensing			0~95%, non-condensing		
Communication	TouchScreen			TouchScreen		
Mechanical Parameter						
	RS485T(Ethernet)/GPRS			RS485T(Ethernet)/GPRS		
Dimensions (W*H*D) [mm]	optional)			optional)		
	810×1905×600	1010×2005×800	2010×2100×800	2010×2100×800+	2010×2100×800	
				1310×2100×1000		
Net Weight [kg]	680kg	970kg	2100kg	3000 kg	900kg	1700kg

JST Monitoring MT System

General Introduction

We can provide our customers with a flexible internet monitoring solution which is suitable for residential, commercial rooftop systems and PV power plants. System monitoring device is user-friendly and reliable. It can archive all-weather data and automatically transmit data to our global PV monitoring web-server via internet. Our customers can login monitoring website or use smart phone Apps to check power plant information.

Monitoring System Diagram

