



D Series(Dual-MPPT, Single-Phase)

JST3600D-UK photovoltaic inverter is suitable for home rooftop photovoltaic system, designed under modern industrial concept. It is designed in strict accordance with the provisions of G83 security regulations. The DCI is less than 20mA and maximum output current is 16A. This model is specially designed for the UK market.

JST3600D-DK and JST3600D-NL are specially designed for the Denmark and Netherlands market. The output current is limited within 16A. The inverter can let customer get the maximum benefit within the limitation. All three models have three colors for option with fashionable appearance. With the state-of-the-art control technology, it has extremely high conversion efficiency, ultra-low THDi and wide range of input voltage and current. It is with smaller size, lighter weight and wider range of suitability to various photovoltaic modules.

- Maximum Efficiency up to 97.6%
- European Efficiency up to 97.4%
- MPPT Efficiency over 99.5%
- Up to 10 safety measurements
- DC switch disconnecter
- IP65 dust-proof and water-proof
- 45°C full-load output
- Wide range of input voltage
- User-friendly Large LCD
- Wireless monitoring and communication
- Voice control operation
- Fanless low-noise design
- 3 selectable appearance colors

Technical Data

	JST-3600D-DK	JST-3600D-UK
DC Input Data		
Max. DC power [W]	4200	4200
Max. DC voltage [V]	580	580
MPPT voltage range [V] Starting voltage [V]	125~550	125~550
Max. DC current [A]	10/10	10/10
No. of DC connectors	2	2
No. of MPPTs	2 (can parallel)	2(can parallel)
DC connector	SUNCLIX / MC4 (optional)	SUNCLIX / MC4 (optional)
AC Output Data		
Normal AC power [W]	3600	3600
Max. AC power [W]	4000	4000
Max. AC current [A]	16	16
Normal AC output	50/60Hz; 230Vac	50/60Hz; 230Vac
AC output range	45~55Hz/55~65Hz; 180~270Vac	45~55Hz/55~65Hz; 180~270Vac
THDi	<1.5%	<1.5%
Power factor	0.9 leading~0.9 lagging	0.9 leading~0.9 lagging
Grid connection	Single phase	Single phase
Efficiency		
Max. efficiency	97.6%	97.6%
Euro efficiency	>97.4%	>97.4%
MPPT adaptation efficiency	>99.5%	>99.5%
Protection		
Residual current monitoring unit	Integrated	Integrated
Anti-islanding protection	Integrated	Integrated
DC switch	Integrated(optional)	Integrated(optional)
AC over current protection	Integrated	Integrated
Insulation monitoring	Integrated	Integrated
Certifications&Standards		
Grid regulation	VDE0126-1-1+A1, IEC62109-2, VDE-AR-N 4105	G83/2
Safety	IEC62109-1&-2	IEC62109-1&-2
EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-3-11, EN 61000-3-12	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-3-11, EN 61000-3-12
General Data		
Dimensions (WxHxD) [kg]	390*417*165mm 20	390*417*165mm 20
Mounting	Wall bracket	Wall bracket
Ambient temperature range	-20~60°C (>45°C derating)	-20~60°C (>45°C derating)
Relative humidity	0~95%	0~95%
Max. operating altitude	2000m	2000m
Protection degree	IP65	IP65
Topology	Transformerless	Transformerless
Night power consumption [W]	<1	<1
Cooling	Nature convection	Nature convection
Noise emission [dB]	<25	<25
Display	4.0" LCD	4.0" LCD
Communication	USB2.0; RS485 or WiFi	USB2.0; RS485 or WiFi
Standard warranty [years]	5/10/15/20/25e(optional)	5/10/15/20/25e(optional)



color options