



## JP Series (Dual-MPPT, Single-Phase)

JP Series Inverter is suitable to the domestic applications, and designed under modern ID concept, it has created a new standard for inverter technology with more advanced reactive compensation technology and dual MPPTs. Not only it can connect with two phase grid system, but also can run in off-grid model, and the wide range of frequency of 50/60Hz makes it a good choice for Japan market. Moreover, the specialized monitor could perfectly control the inverter operation and data logging. IP65 high protective class ensures the inverter to work persistently and steadily under all critical environment.

- Maximum Efficiency up to 97.6%
- European Efficiency up to 97.4%
- MPPT Efficiency over 99.5%
- THDi less than 1.5%
- Up to 10 safety measures
- DC switch
- IP65 dust-proof and water-proof
- 45 full-load output
- Wide range of MPPT voltage
- Wireless monitoring and communication
- Fanless low-noise design
- 3 selectable appearance colors

## Technical Data

	JST-3600D-JP	JST-4000D-JP	JST-4600D-JP
<b>DC Input Data</b>			
Max. DC power [W]	3800	4200	4800
Max. DC voltage [V]	500	500	500
MPPT voltage range [V]	125~450	125~450	125~450
Starting voltage [V]	125	125	125
Max. DC current [A]	15/15	15/15	15/15
No. of DC connectors	2	2	2
No. of MPPTs	2 (can parallel)	2 (can parallel)	2 (can parallel)
DC connector	SUNCLIX / MC4 (optional)	SUNCLIX / MC4 (optional)	SUNCLIX / MC4 (optional)
<b>AC Output Data</b>			
Normal AC power [W]	3600	4000	4600
Max. AC power [W]	3600	4000	4600
Max. AC power (Back-up) [VA]	1500	1500	1500
Max. AC current [A]	18	20	25
Normal AC output	50/60Hz; 202Vac	50/60Hz; 202Vac	50/60Hz; 202Vac
AC output range	48.5~51/58.5~61; 170~230Vac	48.5~51/58.5~61; 170~230Vac	48.5~51/58.5~61; 170~230Vac
AC output (Back-up)	101Vac ±2%	101Vac ±2%	101Vac ±2%
THDi	<1.5%	<1.5%	<1.5%
Power factor	0.9 leading~0.9 lagging	0.9 leading~0.9 lagging	0.9 leading~0.9 lagging
Grid connection	Single-phase two-wire / three-wire	Single-phase two-wire / three-wire	Single-phase two-wire / three-wire
<b>Efficiency</b>			
Max. efficiency	97.4%	97.6%	97.6%
Euro efficiency	>97%	>97.4%	>97.4%
MPPT adaptation efficiency	>99.5%	>99.5%	>99.5%
<b>Protection</b>			
Residual current monitoring unit	Integrated	Integrated	Integrated
Anti-islanding protection	Integrated	Integrated	Integrated
DC switch	Integrated (optional)	Integrated (optional)	Integrated (optional)
AC over current protection	Integrated	Integrated	Integrated
Insulation monitoring	Integrated	Integrated	Integrated
<b>Certifications&amp;Standards</b>			
Grid regulation	JETGR0002-1-3.0,JETGR0003-1-2.0	JETGR0002-1-3.0,JETGR0003-1-2.0	JETGR0002-1-3.0,JETGR0003-1-2.0
Safety	JETGR0002-1-3.0,JETGR0003-1-2.0	JETGR0002-1-3.0,JETGR0003-1-2.0	JETGR0002-1-3.0,JETGR0003-1-2.0
EMC	JETGR0002-1-3.0,JETGR0003-1-2.0	JETGR0002-1-3.0,JETGR0003-1-2.0	JETGR0002-1-3.0,JETGR0003-1-2.0
<b>General Data</b>			
Dimensions (WxHxD)	390*417*165mm	390*417*165mm	390*417*165mm
Weight [kg]	20	20	20
Mounting	Wall bracket	Wall bracket	Wall bracket
Ambient temperature range	-20~60°C (>45°C derating )	-20~60°C (>45°C derating )	-20~60°C (>45°C derating )
Relative humidity	0~95%	0~95%	0~95%
Max. operating altitude	2000m	2000m	2000m
Protection degree	IP65	IP65	IP65
Topology	Transformerless	Transformerless	Transformerless
Night power consumption [W]	<1	<1	<1
Cooling	Nature convection	Nature convection	Nature convection
Noise emission [dB]	<25	<25	<25
Display	4.0" LCD	4.0" LCD	4.0" LCD
Communication	USB2.0; RS485 or WiFi	USB2.0; RS485 or WiFi	USB2.0; RS485 or WiFi
Standard warranty [years]	5/10/15/20/25 (optional)	5/10/15/20/25 (optional)	5/10/15/20/25 (optional)