



### Summarize:

The grid connected inverter can be used with a connection to grid or power lines. This type supplies the loading appliances with electric power produced by photovoltaic systems.

The advantage of grid-type is not to worry any power waste because, by connecting inverter to grid, it can save any surplus electricity

### Features:

- High efficiency in energy conversion(over 96%)
- Advanced technology for maximum power point tracking(MPPT)
- Wide range of input DC power
- Complete protection features ensures greater reliability of the system
- Multiple communication interfaces
- Ease of installation to save time and money
- Multi-lingual LCD display feature enables free-setting functions
- User-friendly interface enables setting various operating parameters by pressing a button
- Minimized size and weight

### Application:

- Commercial solar power plants
- Houses and buildings connected to grid

### Technical Data:

Model No	TLS-ZB5.0KW	
DC Input	MPPT Voltage Range	DC100-500V
	Rated DC Voltage	360V
	Control System	MPPT
AC Output	Output Power	5000W
	Rated Voltage	(Grid-voltage) AC380±10%
	Normal Grid Frequency	50/60Hz
	Number of Phases	3 phases, 4 wires(Transformer-less Type)
	Power Factor	>0.95(at nominal power)
	Current THD	At rated power and in the sine wave<3.5%
	Control System	PWM
	Anti-islanding	≤0.5 sec.
	Output Overload	100%
	Max. Efficiency	97%
	Euro Efficiency	96.4%
Structure	Cooling System	Nature cooling
	Protection Degree	IP20/ NEMA 4X
	Noise	<50dB
	Dimensions(W*H*D)	410*555*745mm
	Weight	60kgs
	Comm.Interfaces	External RS 232C
	Display	LCD
Environment	No corrosion gas, flammable gas, oil mist, dust etc.	
Stored temperature	-20℃~65℃	
Operation temperature range	-10℃~40℃(50℃)	
Relative Humidity	0~100%(Do not wet with dew)	
Protection	(Inverter) Input over-voltage, Output Short Circuit, Overheat, Overload, Output DC component	
	(Grid) Anti-islanding(IEEE1547), Over/Under Voltage of Grid, Over/Under Frequency of Grid	