



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-ZB10KW	
DC Input	MPPT Voltage Range	DC100-500V
	Rated DC Voltage	360V
	Control System	MPPT
AC Output	Output Power	10KW
	Rated Voltage	Grid-Voltage (AC380V±10%)
	Normal Grid Frequency	50/60Hz
	Number of Phases	3 phase, 4 wires (Transformer-less Type)
	Power Factor	Over 0.95(at nominal power)
	Total Max. Current	26.3A
	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	Natural cooling
	IP Class	IP20/ NEMA 4X
	Noise	<60dB
	Dimensions(W*H*D)	410*640*840mm
	Weight	63.5kgs
	Data .Interfaces	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	Below 90%RH(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