

WSP-TLD

SINGLE-PHASE ON-GRID INVERTER

4/5/6/8/10KW



FEATURES

Flexible Design

- Small size, light weight, support manual installation, reduce user installation and maintenance cost
- Multi-communication interface: RS485, GPRS(optional), Wifi (optional)
- DC breaker, easy to maintain and safe to use
- Convection without fan
- Digital DSP control technology

Efficient Conversion

- Transformerless, max. efficiency is up to 98.1%
- Euro. efficiency is up to 97.6%
- Total current THD <2%

Grid Friendly

- Active and passive anti-islanding protection
- Continuously adjustable active power(0-100%) function

Excellent Qualities

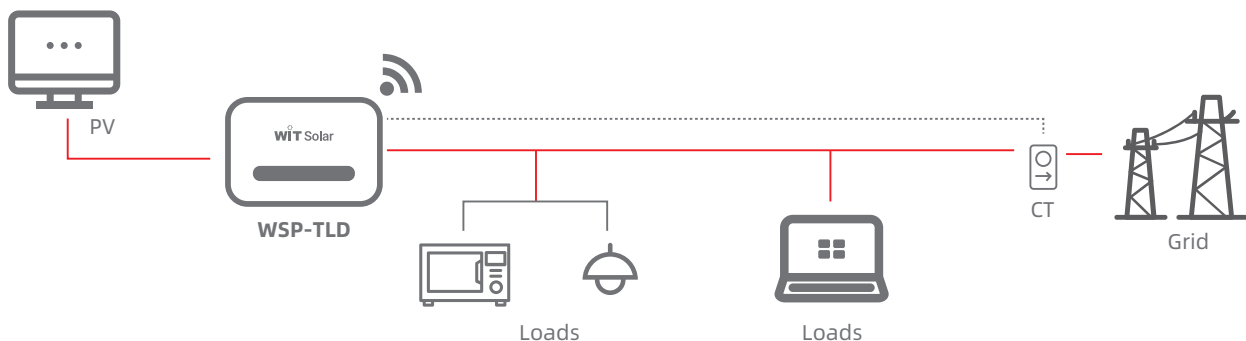
- CQC Gold Sun Certification
- TUV Certification, SAA
- Certification.CE Certification



• BAUART
• GEPRÜFT
• TYPE
• APPROVED



SOLUTION DESIGN



TECHNICAL DATA

Model Name	4KTLD	5KTLD	6KTLD	8KTLD	10KTLD
Input					
Max. DC input power	6000W	7500W	9000W	12000W	15000W
Max. DC input voltage	550V				
Max. DC input current	20/20A	20/20A	20/20A	20/26A	20/30A
MPPT voltage range	80/550V				
Recommended MPPT operating voltage	360V				
Starting voltage	50V				
No.Of MPPT	2				
Max. no. of strings per MPPT	1/1			1/2	
Output					
Rated output power	4000W	5000W	6000W	8000W	10000W
Max. output power	4.4KVA	5.5KVA	6.6KVA	8.8KVA	11KVA
Max. output current	20A	25A	27.3A	36.4A	45.5A
Rated grid voltage	230V				
Grid voltage range	160~270Vac (adjustable)				
Rated grid frequency	50Hz /60Hz				
Grid frequency range	45~55Hz /55~65Hz				
THD	< 2% (Under the rated power)				
Power factor	>0.99 (Under the rated power) / Adjustable range: 0.8 leading~0.8 lagging				
DC current injection	< 0.5% (Under the rated power)				
System data					
Max. efficiency	98.1%	98.1%	98.1%	98.1%	98.1%
Euro. efficiency	97.5%	97.5%	97.5%	97.5%	97.6%
Humidity range	0-100% non-condensing				
Cooling type	Natural cooling			Intelligent forced air cooling	
Temperature range	-25~+60℃				
Power consumption at night	< 1W				
Max. working altitude	4000m				
Display	LED (optional:LCD)				
Communication interface	WIFI (optional:RS485 or GPRS)				
Protection					
DC reverse-polarity protection	Yes				
Short circuit protection	Yes				
Output over currentprotection	Yes				
Output over voltage protection	Yes				
Insulation resistance monitoring	Yes				
Residual current detection	Yes				
Surge protection	Yes				
Grid monitoring	Yes				
Islanding protection	Yes				
Temperature protection	Yes				
Integrated DC switch	Yes				
Mechanical data					
Dimensions (W*H*D)	347*368*167mm			347*368*190mm	
Weight	10kg			11kg	
Protection class	IP66				
Standard					
Safety standard/EMC standard	NB/T32004-2018,IEC62109,IEC61000,IS16169 & IS16221(BIS)				
Grid-connected standard	IEC61727,EN50549-1,VDE-4105,NRS-097-2-1,OVE-Richtinie R25, UNE217001/2. Ordinance No.140				
Other standard	IEC61683,IEC62116.EN50530.IEC60068				