

WSP-TLC

THREE-PHASE ON-GRID INVERTER

8/10/12/15KW



FEATURES

Flexible Design

- Multi-communication interface: RS485, GPRS(optional), Wifi (optional)
- DC breaker, easy to maintain and safe
- Digital DSP control technology

Efficient Conversion

- Transformerless, max. efficiency is up to 98.1%
- Euro. efficiency is up to 98.2%
- Total current THD <2%
- Three-level SVPWM control technology, increase DC voltage utilization

Grid Friendly

- Adjustable reactive power, power factor from 0.8 leading to 0.8 lagging
- Active and passive anti-islanding protection

Excellent Qualities

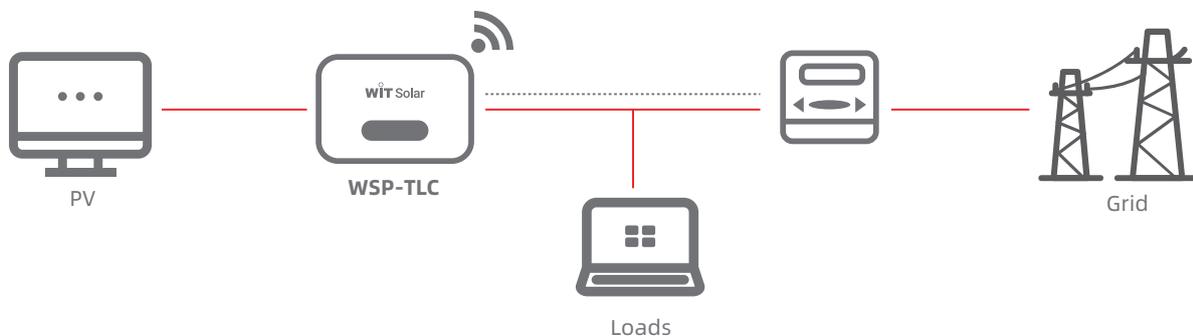
- CQC Gold Sun Certification
- TUV Certification, SAA
- Certification.CE Certification



• BAUART
• GEPRÜFT
• TYPE
• APPROVED



SOLUTION DESIGN



TECHNICAL DATA

Model Name	8KTLC	10KTLC	12KTLC	15KTLC
Input				
Max. DC input power	12000W	15000W	18000W	22500W
Max. DC input voltage	1100V			
Max. DC input current	20/20A			20/30A
MPPT voltage range	180-1000V			
Recommended MPPT operating voltage	650V			
Starting voltage	180V			
No.Of MPPT	2			2
Max. no. of strings per MPPT	1/1			1/2
Output				
Rated output power	8000W	10000W	12000W	15000W
Max. output power	8.8kVA	11kVA	13.2kVA	16.5kVA
Max. output current	13.3A	16.7A	20A	24A
Rated grid voltage	400V			
Grid voltage range	310-480Vac			
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	98.50%	98.60%	98.70%	98.70%
Euro. efficiency	98.00%	98.20%	98.10%	98.20%
Humidity range	0-100% non-condensing			
Cooling type	Intelligent forced air cooling			
Temperature range	-25~+60°C			
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 current protection	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)	427*450*204mm			
Weight	15kg			
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			