

WSP-TLC

THREE-PHASE ON-GRID INVERTER

80/100/110/125/KW



FEATURES

Flexible Design

- Multi-communication interface: RS485, GPRS(optional), Wifi (optional)
- DC breaker, easy to maintain and safe
- Integrated functions of combiner box & DC lightning protection, reduce system cost for users

Efficient Conversion

- Transformerless, max. efficiency is up to 98.9%
- Euro. efficiency is up to 98.2%
- Total current THD <2%
- Three-level SVPWM control technology, increase DC voltage utilization

Grid Friendly

- LVRT HVRT function
- Adjustable reactive power, power factor from 0.8 leading to 0.8 lagging
- Active and passive anti-islanding protection
- Continuously adjustable active power(0-100%) function

Excellent Qualities

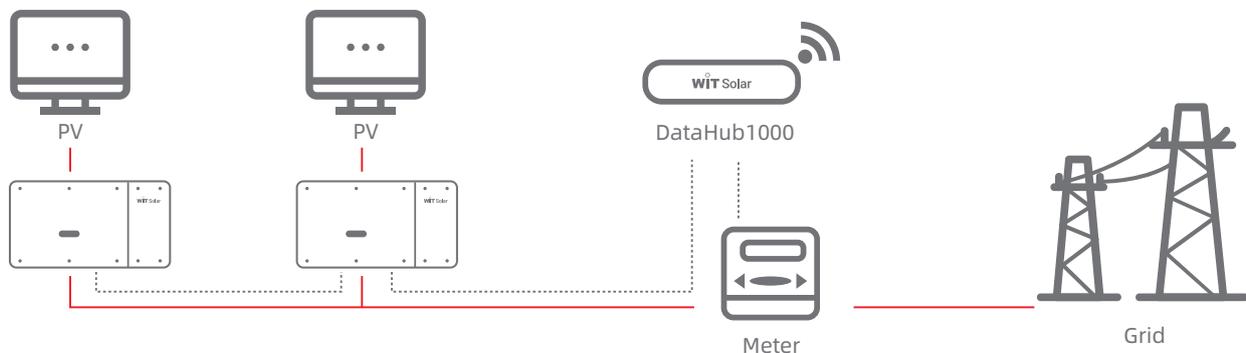
- CQC Gold Sun Certification
- TUV Certification, SAA
- Certification.CE Certification



• BAUART
• GEPRÜFT
• TYPE
• APPROVED



SOLUTION DESIGN



TECHNICAL DATA

Model Name	80KTLC	100KTLC	110KTLC	125KTLC
Input				
Max. DC input power	120kW	150kW	165kW	187.5kW
Max. DC input voltage	1100V			
Max. DC input current	30A*8	30A*10	30A*10	30A*10
MPPT voltage range	200-1000V			
Recommended MPPT operating voltage	600V			
Starting voltage	300V			
No.Of MPPT	8	10	10	10
Max. no. of strings per MPPT	2			
Output				
Rated output power	80kW	100kW	110kW	125kW
Max. output power	88kVA	110kVA	121kVA	137.5kVA
Max. output current	127A	158.8A	174.6A	199.3A
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	98.60%	98.70%	98.70%	98.90%
Euro. efficiency	98.10%	98.10%	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 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)	1050*620*333mm			
Weight	85kg			
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			