

On-grid Inverter

ASP-4/5/6/8/10KTLD

TLD series
single-phase & dual-MPPT

FEATURES



Flexible design



Efficient conversion



Grid Friendly



Excellent qualities

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

Transformerless, max. efficiency is up to 98.1%;

Euro. efficiency is up to 97.6%

Total current THD <2%

Active and passive anti-standing protection

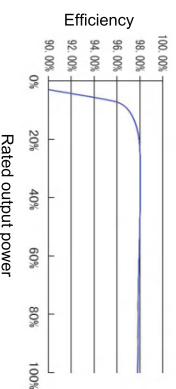
Continuously adjustable active power (0-100%)

function

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

EFFICIENCY CURVE

Vdc=360V



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				
No. of MPPT	2				
Max. no. of strings per MPPT	1/1				
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	160~270V/ac (adjustable)				
Rated grid frequency	50Hz/60Hz				
Grid frequency range	45~58Hz/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	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)	347*368*167mm	347*368*190mm
Weight	10kg	11kg
Protection class	IP66	

Standard

Safety standard/EMC standard	NB/T32004-2018, IEC62109, IEC61000, IS16169 & IS16227(BIS)
Grid-connected standard	IEC61727, EN50549-1, VDE-4105, NRS-097-2-1, OVE-Richtlinie R25, UNE217001/2, Ordinance No.140
Other standard	IEC61683, IEC62116, EN50530, IEC60088