

On-grid Inverter

ASP-3/4/5/6/8/10KTLD



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

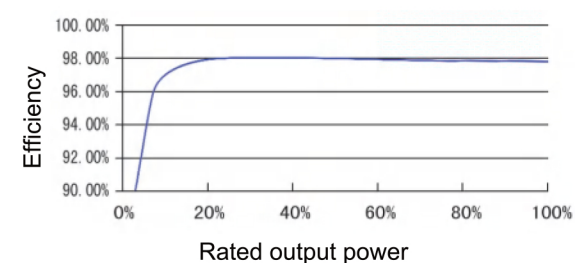


Excellent qualities

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

EFFICIENCY CURVE

V_{dc}=360V



TECHNICAL DATA

Model Name	3KTLD	4KTLD	5KTLD	6KTLD	8KTLD	10KTLD
Input						
Max. DC input power	3900W	5200W	6500W	7200W	9200W	11500W
Max. DC input voltage	550V					
Max. DC input current	18A	18/18A	18/18A	18/18A	20/26A	20/30A
MPPT voltage range	80-550V					
Recommended MPP operating voltage	360V					
No.of MPPT	1	2				
Max. no. of strings per MPPT	1				1/2	

Output						
Rated output power	3000W	4000W	5000W	6000W	8000W	10000W
Max. output power	3.3KVA	4.4KVA	5.5KVA	6.6 KVA	8.8 KVA	11KVA
Max. output current	15A	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%	98.1%	98.1%	98.1%	98.1%	98.1%
Euro. efficiency	97.5%	97.5%	97.5%	97.5%	97.5%	97.6%
Humidity range	0-100% non-condensing					
Cooling type	Air cooling				Intelligent forced air cooling	
Temperature range	-25~+60 C					
Power consumption at night	< 1W					
Max. working altitude	4000m					
Display	LED/LCD/(optional)					
Communication interface	Wifi/RS485/GPRS(optional)					

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	Optional					

Mechanical data		
Dimensions (WxHxD)	347x368x167mm	347x368x190mm
Weight	10Kg	11Kg
Protection class	IP66	

Standard						
Grid-connected standard	NB/T 32004-2018; IEC61727					
Safety standard	NB/T 32004-2018; IEC 62109-1/2					
Electromagnetic compatibility	IEC61000-6-2/4					