

String-Transformerless

AJ-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 97.5%
Total current THD <2%



Grid friendly

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

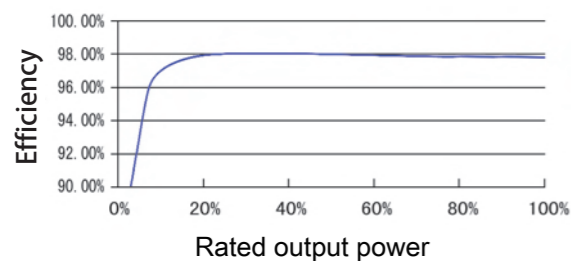


Excellent qualities

CQC Golden Sun Certification, TUV Certification, SAA Certification, CE Certification

EFFICIENCY CURVE

V_{dc}=360V



BAIART
GEPRÜFT
TYPE
APPROVED



TECHNICAL DATA

Model Name	4KTLD	5KTLD	6KTLD	8KTLD	10KTLD
Input					
Max. DC input power	5200W	6500W	7200W	9200W	11500W
Max. DC input voltage	550V			580V	
Max. DC input current	2X13A		13/26A		26/13A
MPPT voltage range	80-550V				
Recommended MPP operating voltage	360V				
No.of MPPT	2				
Max. no. of strings per MPPT	1		1/2		2/1
Output					
Rated output power	4000W	5000W	6000W	8000W	10000W
Max. output power	4.4KVA	5.5KVA	6kVA	8KVA	10KVA
Max. output current	20A	25A	27A	34.8A	46A
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)				
DC current injection	<0.5% (Under the rated power)				
System data					
Max. efficiency	98.1%				
Euro. efficiency	97.5%				
Humidity range	0-100% non-condensing				
Cooling type	Air cooling		Fan		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		377x430x220mm
Weight	12Kg		11Kg		18Kg
Protection class	IP66				
Standard					
Grid-connected standard	NB/T32004-2018; GB/T19964-2012				
Safety standard	NB/T32004-2018; IEC 62109-1/2				
Electromagnetic compatibility	IEC 61000-6-2/4				