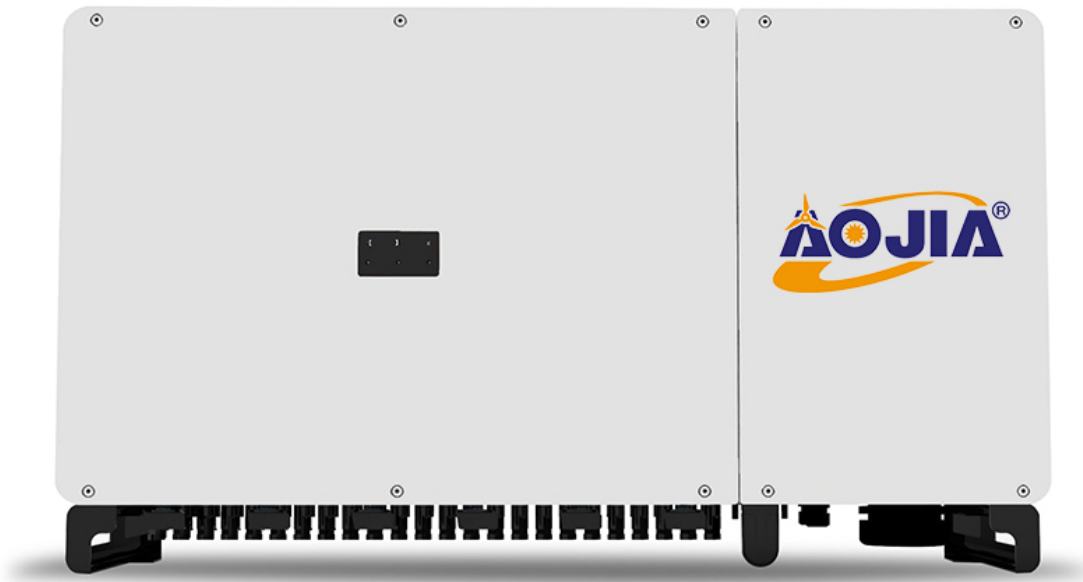


# String-Transformerless

## AJ-100/110KTLC,125/136K-HV



### FEATURES



Flexible design

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



Efficient conversion

Transformerless, max. efficiency is up to 98.7%; Euro. efficiency is up to 98.3%  
Total current THD <2%  
Three-level SVPWM control technology, increase DC voltage utilization



Grid friendly

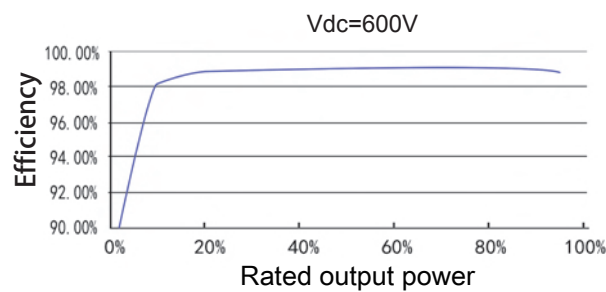
LVRT HVRT function  
Adjustable reactive power, power factor from 0.8 leading to 0.8 lagging  
Active and passive anti-islanding protection  
Continuously adjustable active power(0-100%)function



Excellent qualities

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

### EFFICIENCY CURVE



### TECHNICAL DATA

Model Name	100KTLC	110KTLC	125K-HV	136K-HV
<b>Input</b>				
Max. DC input power	150KW	165KW	187.5KW	204KW
Max. DC input voltage	1100V			
Max. DC input current	30AX10			
MPPT voltage range	200~1000V			
Recommended MPP operating voltage	600V		720V	
No. of MPPT	10			
Max. no. of strings per MPPT	2			
<b>Output</b>				
Rated output power	100KW	110KW	125KW	136KW
Max. output power	110KVA	121KVA	137.5KVA	149.6KVA
Max. output current	158.8A	174.6A	158.8A	172.6A
Rated grid voltage	400V		500V	
Grid voltage range	310~480Vac		422~550Vac	
Rated grid frequency	50Hz/60Hz			
Grid frequency range	45~55Hz/55~65Hz			
THD	< 2% (Under the rated power)			
Power factor	>0.99(rated power) /0.8 leading ~ 0.8 lagging			
DC current injection	< 0.5% (Under the rated power)			
<b>System data</b>				
Max. efficiency	98.9%		99.0%	
Euro. efficiency	98.3%		98.5%	
Humidity range	0-100% non-condensing			
Cooling type	Intelligent forced air cooling			
Temperature range	-25~+60℃			
Power consumption at night	< 1W			
Max. working altitude	4000m			
Display	LED/LCD(optional)			
Communication interface	RS485/Wifi/GPRS(optional)			
<b>Protection</b>				
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			
<b>Mechanical data</b>				
Dimensions (WxHxD)	1051x660x363mm			
Weight	89Kg			
Protection class	IP65			
<b>Standard</b>				
Grid-connected standard	NB/T32004-2018; GB/T19964-2012			
Safety standard	NB/T32004-2018			
Electromagnetic compatibility	IEC 61000-6-2/4			