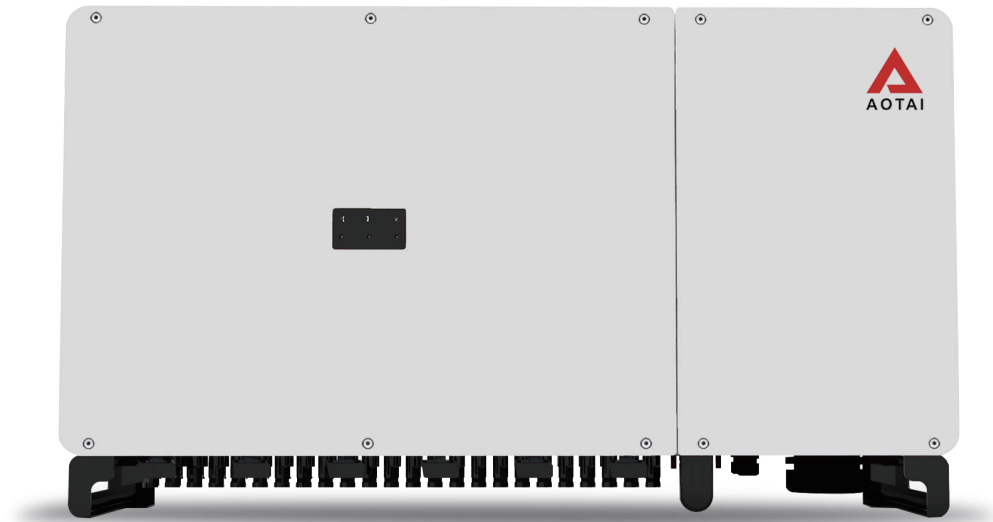


On-grid Inverter

ASP-80/90/100/110/125KTLC



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



Grid friendly

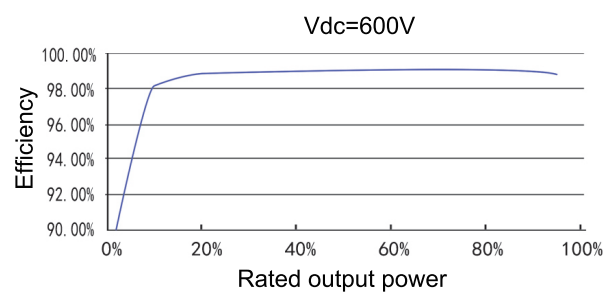
LVRT HVRT function
Adjustable reactive power, power factor from 0.8 leading to 0.8 lagging
Active and passive anti-islanding protection
Continuously adjustable active power (0-100%) function



Excellent qualities

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

EFFICIENCY CURVE



TECHNICAL DATA

Model Name	80KTLC	90KTLC	100KTLC	110KTLC	125KTLC
Input					
Max. DC input power	120KW	135KW	150KW	165KW	187.5KW
Max. DC input voltage	1100V				
Max. DC input current	30A*8	30A*9	30A*10	30A*10	30A*10
MPPT voltage range	200~1000V				
Recommended MPP operating voltage	600V				
No. of MPPT	8	9	10	10	10
Max. no. of strings per MPPT	2				
Output					
Rated output power	80KW	90KW	100KW	110KW	125KW
Max. output power	88KVA	99KVA	110KVA	121KVA	137.5KVA
Max. output current	127A	142.9A	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(rated power) /0.8 leading ~ 0.8 lagging				
DC current injection	< 0.5% (Under the rated power)				
System data					
Max. efficiency	98.6%	98.6%	98.7%	98.7%	98.9%
Euro. efficiency	98.1%	98.1%	98.1%	98.1%	98.2%
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/LCD(optional)				
Communication interface	RS485/Wifi/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	Yes				
Mechanical data					
Dimensions (WxHxD)	1050x620x333mm				
Weight	89Kg				
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				