

On-grid Inverter

ASP-6/8/10/12KTLC



FEATURES



Flexible design

Multi-communication interface: RS485, GPRS(optional), Wifi (optional)
DC breaker, easy to maintain and safe to use
Digital DSP control technology



Efficient conversion

Transformerless,max. efficiency is up to 98.7%; Euro. efficiency is up to 98.2%
Total current THD <2%
Three-level SVPWM control technology, increase DC voltage utilization



Grid friendly

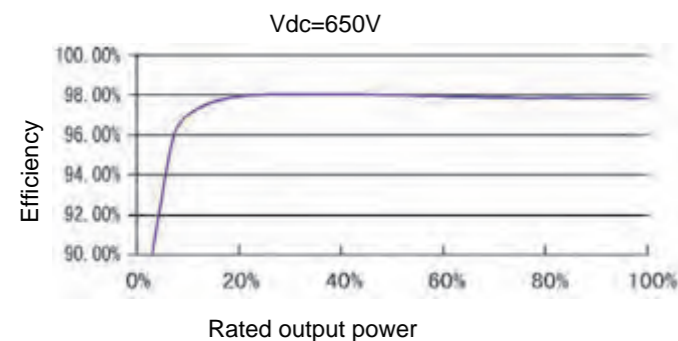
Adjustable reactive power, power factor from 0.8 leading to 0.8 lagging
Active and passive anti-islanding protection



Excellent qualities

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

EFFICIENCY CURVE



TECHNICAL DATA

Model Name	6KTLC	8KTLC	10KTLC	12KTLC
Input				
Max. DC input power	7800W	10400W	13000W	15600W
Max. DC input voltage	1100V			
Max. DC input current	18/18A			
MPPT voltage range	180-1000V			
Recommended MPP operating voltage	650V			
No.of MPPT	2			
Max. no. of strings per MPPT	1			
Output				
Rated output power	6000W	8000W	10000W	12000W
Max. output power	6.6kVA	8.8kVA	11kVA	13.2kVA
Max. output current	10A	13.3A	16.7A	20A
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 (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	98.5%	98.5%	98.6%	98.7%
Euro. efficiency	97.9%	98%	98.2%	98.1%
Humidity range	0~100%, non-condensing			
Cooling type	Intelligent forced air cooling			
Temperature range	-25 C ~60 C			
Power consumption at night	<1W			
Max. working altitude	4000m			
Display	LED indication / LCD display (Optional)			
Communication interface	Wifi/RS485/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 (WxHxD)	427x510x190mm			
Weight	15kg			
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			