

# On-grid Inverter

## ASP-15/17/20/23/25/28KTLC



### FEATURES



Flexible design

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



Efficient conversion

Transformerless,max. efficiency is up to 98.8%;  
Euro. efficiency is up to 98.2%  
Total current THD <2%  
Three-level SVPWM control technology, increase DC voltage utilization



Grid friendly

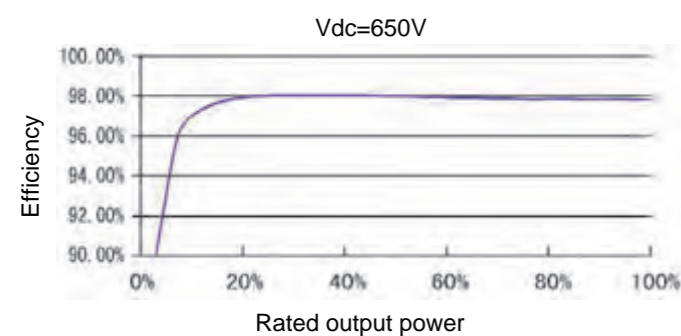
Adjustable reactive power, power factor from 0.8 leading to 0.8 lagging  
Active and passive anti-islanding protection



Excellent qualities

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

### EFFICIENCY CURVE



### TECHNICAL DATA

Model Name	15KTLC	17KTLC	20KTLC	23KTLC	25KTLC	28KTLC
<b>Input</b>						
Max. DC input power	19500W	22600W	26000W	29900W	32500W	36400W
Max. DC input voltage	1100V					
Max. DC input current	18/30A		30/30A		36/30A	36/36A
MPPT voltage range	180-1000V					
Recommended MPP operating voltage	650V					
No.of MPPT	2					
Max. no. of strings per MPPT	1/2		2			
<b>Output</b>						
Rated output power	15000W	17000W	20000W	23000W	25000W	28000W
Max. output power	16.5kVA	18.7kVA	22kVA	25.3kVA	27.5kVA	30.8kVA
Max. output current	25A	28.3A	32A	36.5A	42A	45A
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)					
<b>System data</b>						
Max. efficiency	98.7%			98.8%		
Euro. efficiency	98.2%					
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 (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)	427x439x212mm					
Weight	18kg					
Protection class	IP66					
<b>Standard</b>						
Grid-connected standard	NB/T 32004-2018; IEC61727					
Safety standard	NB/T 32004-2018; IEC 62109-1/2					
Electromagnetic compatibility	IEC61000-6-2/4					