

String-Transformerless

ASP-17/20KTLC



Features



Flexible design

Multi-communication interface: RS485, CANbus
Convection without fan
DC breaker, easy to maintain and safe to use



Efficient conversion

Transformerless, max. efficiency is up to 98%;
Euro. efficiency is up to 97.5%
Total current THD <2%
Three-level SVPWM control technology, increase DC voltage utilization



Grid friendly

Adjustable reactive power factor from 0.9 leading to 0.9 lagging
Active and passive anti-islanding protection

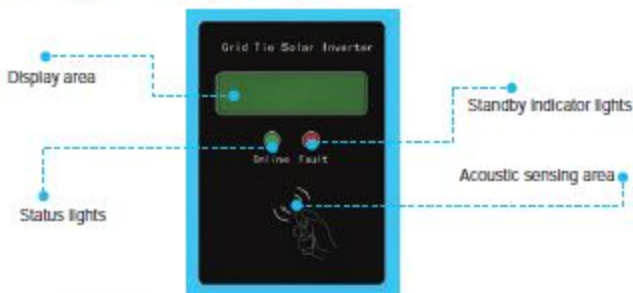
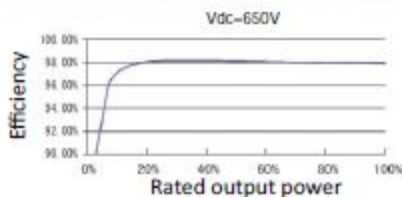


Excellent qualities

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



Efficiency Curve



Technical Data

Input	17KTLC	20KTLC	System data	17KTLC	20KTLC
Max. DC input power	18700W	22000W	Max. efficiency		98%
Max. DC input voltage		900V	Euro. efficiency		97.5%
Max. DC input current		2x20A	Humidity range		0-95% non-condensing
MPPT voltage range		250-800V	Cooling type		Air cooling
Recommended MPP operating voltage		650V	Temperature range		-25~+60°C
No. of MPPT		2	Power consumption at night		< 1W
Max. no. of strings per MPPT		3	Max. working altitude		4000m(Operation with derating above 2000m)
Output			Display	Two line LCD/Two LEDs/ One voice operated switch	
Rated output power	17000W	20000W	Communication interface	RS485/CAN bus/WIFI(optional)	
Max. output power	18.7KVA	22KVA	Mechanical data		
Max. output current	27A	32A	Dimensions (WxHxD)	445x680x240mm	
Rated grid voltage		400V	Weight	42Kg	
Grid voltage range		310-450Vac	Protection class	IP65	
Rated grid frequency		50Hz/60Hz	Standard		
Grid frequency range		47-51.5Hz/57-61.5Hz	Grid-connected standard	NB/T32004-2013; GB/T19964-2012	
THD		< 2% (Under the rated power)	Safety standard	NB/T32004-2013; IEC 62109-1/2	
Power factor		0.9 leading ~ 0.9 lagging	Electromagnetic compatibility	IEC 61000-6-2/4	
DC current injection		< 0.5% (Under the rated power)			