ASP-10/12/15KTLC

Features

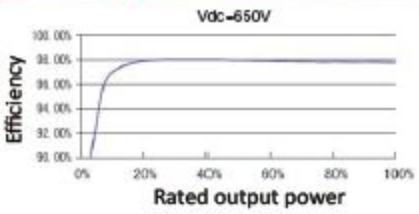
Flexible design
Multi-communication interface: RS485, CANbus
Convection without fan
DC breaker, easy to maintain and safe to use
Digital DSP control technology

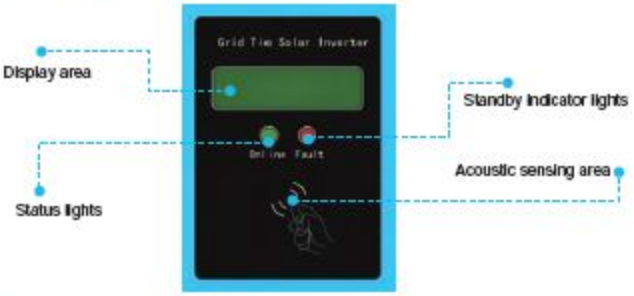
Efficient conversion
Transformerless, max. efficiency is up to 98%;
Euro. efficiency is up to 97.5%
Total current THD < 2%
Three-level SVPWM control technology, increase DC voltage utilization

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	10KTLC	12KTLC	15KTLC
Max. DC input power	11000W	13200W	16500W
Max. DC input voltage		900V	
Max. DC input current		2x20A	
MPPT voltage range		250~800V	
Recommended MPP operating voltage		650V	
No. of MPPT		2	
Max. no. of strings per MPPT	2	2	3
Output			
Rated output power	10000W	12000W	15000W
Max. output power	11KVA	13.2KVA	16.5KVA
Max. output current	16A	19.2A	24A
Rated grid voltage		400V	
Grid voltage range		310~450Vac	
Rated grid frequency		50Hz/60Hz	
Grid frequency range		47~51.5Hz/57~61.5Hz	
THD		< 2% (Under the rated power)	
Power factor		0.9 leading ~ 0.9 lagging	
DC current injection		< 0.5% (Under the rated power)	

System data	10KTLC	12KTLC	15KTLC
Max. efficiency		98%	
Euro. efficiency		97.5%	
Humidity range		0-95% non-condensing	
Cooling type		Air cooling	
Temperature range		-25~+60℃	
Power consumption at night		< 1W	
Max. working altitude		4000m(Operation with derating above 2000m)	
Display		Two line LCD/Two LEDS/ One voice operated switch	
Communication interface		RS485/CAN bus/Wifi(optional)	
Mechanical data			
Dimensions (WxHxD)		445x680x240mm	
Weight		42Kg	
Protection class		IP65	
Standard			
Grid-connected standard		NB/T32004-2013; GB/T19964-2012	
Safety standard		NB/T32004-2013; IEC 62109-1/2	
Electromagnetic compatibility		IEC 61000-6-2/4	