

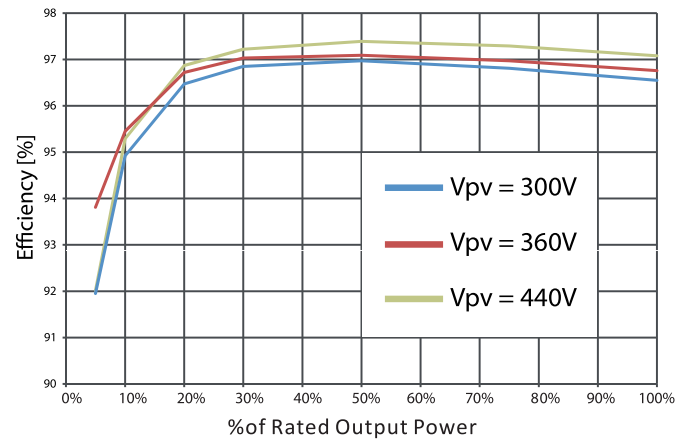
AZZURRO - SINGLE-PHASE STRING INVERTER LITE SERIES

1.1KTL-L/1.6KTL-L/2.2KTL-L/2.7KTL-L
3KTL-L/3.3KTL-L

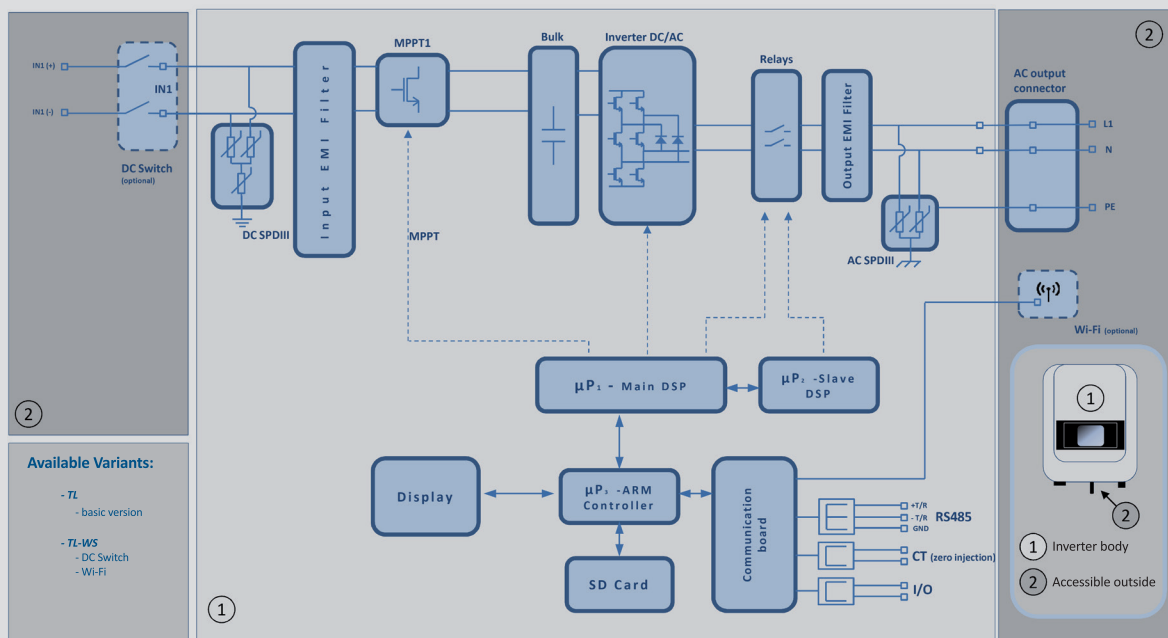


- Maximum performance 97.7%
- Single MPPT channel
- Fast and safe installation with all required parts included
- Ultra-compact
- 5 or 10 year ZCS warranty
- Wide input operating range from 50V to 550V

EFFICIENCY CURVE



FLOW CHART



TECHNICAL SPECIFICATIONS	1.1KTL - L	1.6KTL - L	2.2KTL - L	2.7KTL - L	3KTL - L	3.3KTL - L
DC Input data						
Maximum DC Power	1500W	2200W	3000W	3700W	4100W	4500W
No. of independent MPPTs / No. of strings per MPPT	1/1					
Maximum DC input voltage	500V			550V		
Start-up voltage	70V					
Nominal DC input voltage	360V					
MPPT DC voltage range	50V-500V					
DC voltage range at full load	90V-450V	110V-450V	150V-450V	200V-500V	250V-500V	250V-500V
Maximum input current for each MPPT	12A					
Maximum absolute current for each MPPT	15A					
AC Output data						
Rated AC power	1100W	1600W	2200W	2700W	3000W	3300W
Maximum AC power	1100VA	1600VA	2200VA	2700VA	3000VA	3300VA
Maximum AC current	5.3A	7.7A	10.6A	13A	14.5A	16A
Connection type/Nominal grid voltage	Single-phase L/N/PE / 220V, 230V, 240V					
Grid voltage range	180V~270V (according to the local grid standards)					
Rated grid frequency	50Hz/60Hz					
Grid frequency range	45Hz~53Hz / 57Hz~63Hz (according to the local grid standards)					
Total harmonic distortion	<3%					
Power factor	1 (Programmable +/-0.8)					
Active power adjustable range	0~100%					
Grid feed limit	No					
Efficiency						
Maximum efficiency	97.5%			97.7%		
Weighted efficiency (EURO)	96.9%			97.2%		
MPPT efficiency	>99.9%					
Consumption at night	<1W					
Protections						
Internal interface protection	Yes					
Safety protections	Anti-islanding, RCMU, Ground Fault Monitoring					
Reverse polarity protection DC	Yes					
DC circuit breaker	Integrated					
Overheating protection	Yes					
Overvoltage category/Protective class	Overvoltage Category III / Protective class I					
Integrated dischargers	AC/DC MOV: Type 3 Standard					
Standard						
EMC	EN 61000-6-1/2/3/4,					
Safety standard	IEC 62116, IEC 61727, IEC 61683, IEC 60068-1/2/14/30, IEC 62109-1/2					
Grid connection standard	AS 4777, VDE V 0124-100, VDE V 0126-1-1, VDE-AR-N 4105, EN50438, G83/2, C10/11, RD1699, CEI 0-21					
Communication						
Communication interfaces	Wi-Fi or Ethernet or 4G (optional), RS485 (proprietary protocol), USB					
Additional inputs or connections	Input for current sensor connection					
Data storage on SD	25 years					
General data						
Allowable ambient temperature range	-30°C...+60°C (power limit above 45°C)					
Topology	Transformerless					
Environmental protection class	IP65					
Allowable relative humidity range	0%.....95% non-condensing					
Maximum operating altitude	2000m					
Noise level	< 25dB @ 1mt					
Weight	5.5 Kg			6.3 Kg		
Cooling	Natural convection					
Dimensions (H x W x D)	303mm x 260mm x 118mm			321mm x 260mm x 131.5mm		
Display	LCD					
Warranty	5 or 10 years					