

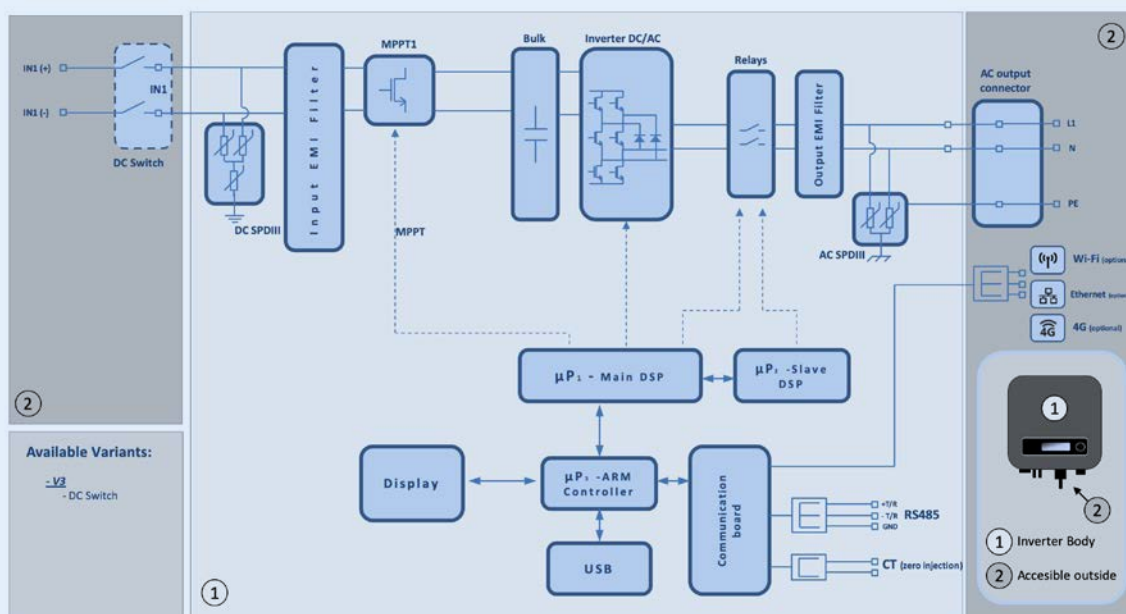
1PH 1100TL2-V3/1PH 5000TL2-V3

Single-phase string inverter



- » Maximum yield 97.2%
- » Single MPPT channel
- » Fast and safe installation with all required parts included
- » Ultra compact
- » 5 or 10 year ZCS warranty
- » Maximum DC current improved to 20A

BLOCK DIAGRAM



TECHNICAL DATA	1PH 1100TL2-V3	1PH 1600TL2-V3	1PH 2200TL2-V3	1PH 2700TL2-V3	1PH 3000TL2-V3	1PH 3300TL2-V3	1PH 4000TL2-V3	1PH 5000TL2-V3
DC Input data								
Typical DC power*	1210W	1760W	2420W	2970W	3300W	3630W	4400W	55000W
No. of MPPTs / No. of strings per MPPT	1/1							
Maximum DC input voltage	550V							
Start-up voltage	70V							
Nominal DC input voltage	360V							
MPPT DC voltage range	50V-550V							
DC voltage range at full load	110V-450V	150V-450V	200V-450V	250V-500V	275V-500V	300V-500V	300V-500V	300V-550V
Maximum input current for each MPPT	20A							
Maximum absolute current for each MPPT	25A							
AC Output data								
Rated AC power	1100W	1600W	2200W	2700W	3000W	3300W	4000W	5000W
Maximum AC power	1100VA	1600VA	2200VA	2700VA	3000VA	3300VA	4000VA	5000VA
Maximum AC current	5.3A	7.7A	10.6A	13A	14.5A	16A	19.3A	24.1A
Connection type/Rated grid voltage	Single-phase L/N/PE / 220V,230V,240V							
Grid voltage range	180V~276V (according to the local grid standards)							
Rated grid frequency	50Hz/60Hz							
Grid frequency range	45Hz~55Hz / 54Hz~66Hz (according to the local grid standards)							
Total harmonic distortion	<3%							
Power factor	1 (programmable +/-0.8)							
Active power adjustment range (settable)	0~100%							
Grid feed-in limit	Feed adjustable from zero to nominal power value**							
Efficiency								
Maximum efficiency	97.2%							
Weighted efficiency (EURO)	96.8%							
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/Protection class	Overvoltage Category III / Protection class I							
Integrated dischargers	AC/DC MOV: Type 3 standard							
Standard								
EMC	EN 61000-6-1/3, EN 61000-3-2/3							
Safety standard	IEC 62116, IEC 61727, IEC 61683, IEC 60068-1/2/14/30, IEC 62109-1/2							
Grid connection standard	Connection certificates and standards available at www.zcsazzurro.com							
Communication								
Communication interfaces	Wi-Fi/4G/Ethernet (optional), RS485 (proprietary protocol), USB							
Additional inputs or connections	Input for current sensor connection							
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	4000m (power limiti above 2000m							
Noise level	< 25dB @ 1mt							
Weight	7 kg							
Cooling	Natural convection							
Dimensions (H x L x D)	321mmx260.5mmx131.5mm							
Data monitoring	LCD Display + APP							
Warranty	5 or 10 years							
	(NB: the extended warranty can be obtained by registering on the EXTENDED WARRANTY section of the zcsazzurro.com website)							

* The typical DC power does not represent a maximum applicable power limit. The online configurator available at www.zcsazzurro.com will provide any applicable configurations.

** Possible by connecting a current sensor (ZST-ACC-TA) or using a specific meter