

## SERIES MODELS

Sunwins GT-1.5K-TL

Sunwins GT-2K-TL

Sunwins GT-3K-TL

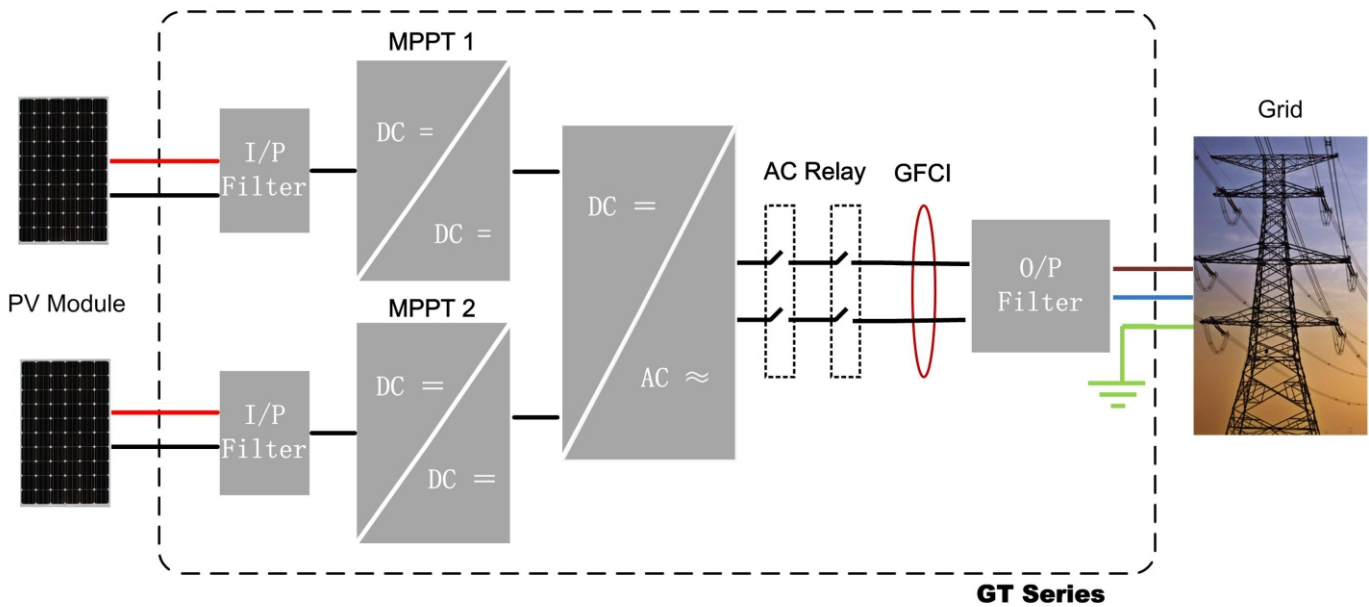
Sunwins GT-5K-DTL

## PRODUCT FEATURES

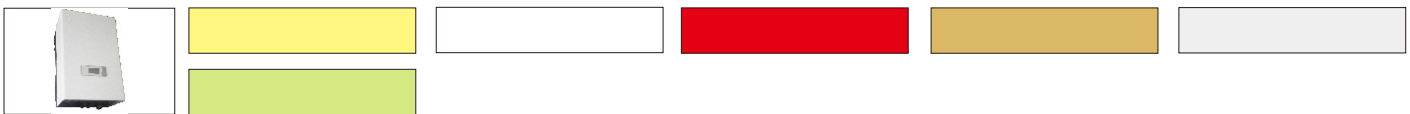


- Maximum efficiency of 97.6 %
- Total Harmonic Distortion (THD)  $\leq 3\%$
- Optimal MPPT technology
- Transformerless design
- Advanced anti-islanding solution
- Quick and easy wall mounting
- Excellent protections
- Friendly HMI
- Multiple communication

## BLOCK DIAGRAM



## COLOR OPTIONS



## PRODUCT CERTIFICATION



# PART I / GRID-TIE INVERTER SUNWINS GT SERIES



## TECHNICAL DATA

	Sunwins GT-1.5K-TL	Sunwins GT-2K-TL	Sunwins GT-3K-TL	Sunwins GT-5K-DTL
<b>INPUT ( DC )</b>				
Max. DC Power	1650 W	2200 W	3300 W	5000 W
Maximum DC Voltage	450VDC	500VDC		
MPP voltage range	150 VDC ~ 400 VDC	200 VDC ~ 450 VDC	250 VDC ~ 500 VDC	180 VDC ~ 500 VDC
Nominal DC Voltage	360 VDC		370 VDC	
Start-up Voltage / Initial Feeding Voltage	120VDC / 150VDC		125VDC / 150VDC	
Maximum Input Current	1 x 11A		1 x 13A	2 x 15A
Number Of MPP Trackers / Strings Per MPP Tracker	1 / A:1		1 / A:1	2 / A:1;B:1
<b>OUTPUT(AC)</b>				
AC Nominal Power	1500 W	2000 W	3000 W	4600 W
Maximum AC Apparent Power	1600 VA	2100 VA	3000 VA	4600 VA
Nominal AC Voltage	230 VAC			
AC Voltage Range	184-264 VAC*			
AC Grid Frequency	50 Hz / 60 Hz			
Nominal Output Current	6.6 A	8.7A	13 A	20 A
Power Factor @ Rated Power	> 0.99			
<b>EFFICIENCY</b>				
Max. Efficiency	96%		97%	
European Efficiency @ Nominal Voltage & 100% Load	95%		96%	
<b>PROTECTION</b>				
DC Reverse-polarity Protection				
Ground Fault Monitoring				
Grid Monitoring	YES			
AC Short Circuit Protection				
Over Current Protection	30 A			50 A
Protection Degree	IP 65			
<b>PHYSICAL</b>				
Intelligent Slot	268.5 x 410 x 136.5		270 x 450 x 160	308 x 515 x 182
Net Weight	11.5 Kg		15 Kg	20 Kg
<b>INTERFACE</b>				
Intelligent Slot	USB & RS-232 card / Option: SNMP card and Modbus card			
<b>ENVIRONMENT</b>				
Relative Humidity (No condensing)	0% ~ 95% RH			
Operating Temperature	-25°C to 60°C			
Altitude	0 ~ 2000 m**			
<b>COMPLIANCE</b>				
Standard	CE, VDE-AR-N 4105, VDE-0126-1-1, IEC62109			

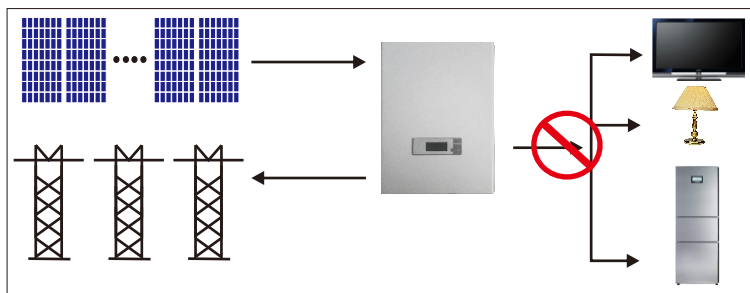
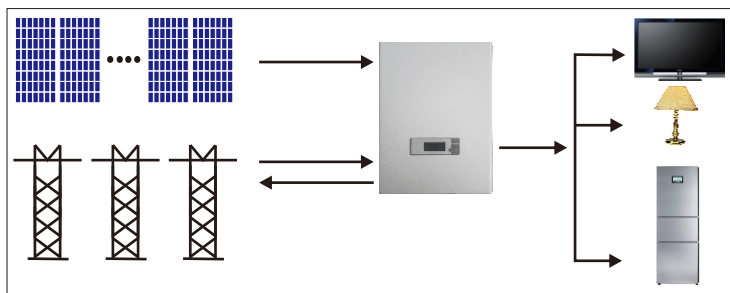
\* The AC Voltage Range may vary depending on different country grid standard

\*\* Power derating 1% every 100 m when altitude is over 1000m.

\* Product specifications are subject to change without further notice

**Version: 1.5**

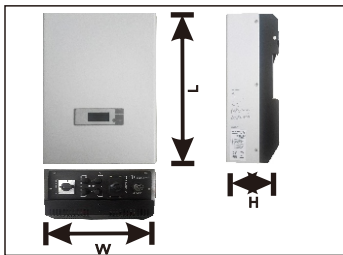
## DIFFERENT WORKING MODE



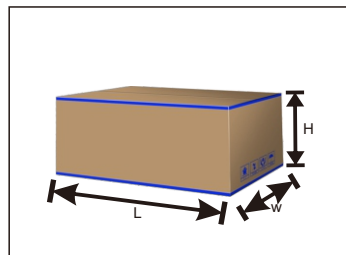
## PACKING DATA

Model	N.W (kg)	G.W (kg)	pcs / box	Product Size L*W*H (mm)	Packing Size L*W*H(mm)	20' Ft Container			40' Ft Container		
						pcs*layer	pallet	total(pcs)	pcs*layer	pallet	total(pcs)
Sunwins GT-1.5K-TL	11.5	14.4	1pcs / box	410*268.5*136.5	600*405*265	5*7	10	350	5*7	21	735
Sunwins GT-2K-TL				270*450*160							
Sunwins GT-3K-TL	15	18.3		515*308*182	615*410*300	5*6	300	5*6	630		
Sunwins GT-5K-DTL	20	22.8									
Standard Pallet Size						1200*1000*126					

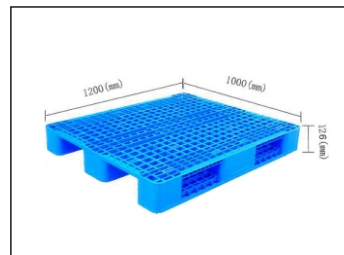
## PACKING SIZES



Product Size



Product Packing Size



Standard Pallet Size



Pallet Packing Model

## SYSTEM SOLUTION & APPLICATION CASES



We can provide :

- \* 1kw to 200kw on-grid / off-grid / storage energy solutions.
- \* Professional design and good quality.
- \* Ensure safe and convenient construction.
- \* Easy to maintain and convenient to replace.
- \* Wide applications range for different environments.

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