



Residential & Commercial Smart PV Solution



545 WT PV Modules



150% DC Over Loading



Type II SPD (AC& DC Side)



Export control



Fanless and noiseless



Small, light weight & easy to install

Technical Data

Model No : UT-GTS	1.5 KW	2.2 KW	3.0 KW	3.5 KW	4.5 KW	5.2 KW	6.0 KW
DC Side / Input Parameters							
Max DC power (W)	1950W	2860W	3900W	4550W	5850W	7500W	7500W
Max DC voltage (Vdc)	450	500	500	500	550	550	550
Min System start/Shut down voltage (Vdc)	75/100	75/100	75/100	75/100	75/100	75/100	75/100
MPPT voltage range(Vdc)	100~450	100~450	100~450	100~450	100~500	100~500	100~500
Max. input current (A)	18A				22A		
Max.input short circuit per MPPT	25A				30A		
Number of MPP trackers	1						
Strings per MPP tracker	1						
AC Side / Output Parameters							
Nominal output power (W)	1500	2200	3000	3600	4000	5000	6000
Maximum output power (W)	1650	2420	3300	3960	4400	5500	6600
Nominal output voltage/range (V)	208,220,230,240/180~270						
AC grid frequency/range (Hz)	50Hz,60Hz(auto-selection) / 44Hz-55Hz; 54Hz-65Hz						
Maximum output current (A)	8	12	16	16	21	23	28
AC connection (with PE)	Single phase						
Current distortion(THDi)	<1.5%	<1.5%	<1.5%	<2.5%	<2.5%	<2.5%	<2.5%
Power factor	~1%(Adjustable from 0.8 leading to 0.8 lagging)						
Efficiency							
Maximum conversion efficiency	97.3%	97.4%	97.5%	97.8%	97.8%	97.5%	97.6%
European efficiency	97.0%	97.1%	97.2%	97.3%	97.3%	97.2%	97.3%
MPPT efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
Safety and Protection							
DC reverse-polarity protection				yes			
Anti-islanding / Overvoltage protection				yes			
Short circuit protection				yes			
Leakage current protection				yes			
Grid monitoring / Ground fault monitoring				yes			
DC/AC side SPD(thermally protected)				yes			
General Parameters							
Dimension (L/W/H) (mm)	343/283/119MM				370/290/119MM		
Weight (kg)	5				7		
Embedded DC Switch	Optional						
Night power consumption (W)	< 0.2						
Isolation type	Transformerless						
Protection degree	IP65 according to IEC60529						
Operation temperature (°C)	-25 ~ +60						
Cooling concept	Smart Cooling						
Operatiing Altitude (m)	<2000m without power derating						
Acoustic noise level (dB)	< 25						
Display	Graphic LCD						
Communication Interface	Standard WIFI; RS485 (optional)						
Warranty	Standard 5 years (7/10 years optional)						
Certificates and Approvals							

IS 16169, IS 16221-1 & IS 16221-2 (Former IEC 61727, IEC 62116, IEC 62109 1/ 2), -
IEC 61683:1999, IEC 60068 -2 (1,2,14,30), IEC 61000-1-2-3-4

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