



- Control by DSP
- Original IGBT module assembly
- Anti-islanding
- Option of CAN, Bluetooth, Ethernet

T-sol on-grid mono phase inverter	Feature	Transformerless	Transformerless	Transformerless
Item		TSG1K6TL	TSG2K5TL	TSG3KTL-S
Delivery period (Week)		1-4w	1-4w	1-4w
Type		Outdoor	Outdoor	Outdoor
Input DC	Max DC power	1700w	2800w	3.3KW
	Max. DC input voltage	450V	450V	450V
	MPP voltage range	180V-420V	210V-420V	210V-420V
	Rated input voltage (V)	380V	380V	380V
	Maximum input current	12A	15A	22A
	Number of MPP inputs	1	1	1
	Number of DC inputs	2	2	2
Output AC	Related power	1.6KVA	2.5KVA	3KVA
	Related AC voltage	120/230V	120/230V	120/230V
	Rated frequency (Hz)	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
	Max. output current (A)	7A	12A	13A
	THD(rated power)	<2%	<2%	<2%
	Power factor at rated power	≥0.99	≥0.99	≥0.99
Efficiency	connection phases	Single-phase	Single-phase	Single-phase
	Max. efficiency	97.40%	97.40%	97.40%
	European efficiency	96.30%	96.30%	96.30%
Protection	Input-side disconnection device	no	no	No
	Output-side disconnection device	no	no	No
	Grid monitoring	●	●	●
	Ground fault monitoring	●	●	●
	Insulation monitoring	●	●	●
	Electrical isolation	no	no	No
Physical	Dimensions (W) (mm)	335x460x135	335x460x135	335x460x135
	Package:	1088/40HQ	1088/40HQ	1088/40HQ
	Weight (Kg)/per unit	N.17/G.20kgs	N.17/G.20kgs	N.17/G.20kgs
	Weight (Kg)/per 40HQ	21760 kgs	21760 kgs	21760 kgs
	Operating temperature range (°C)	-25~+60	-25~+60	-25~+60
	Max self-consumption	20W/0W	20W/0W	20W/0W
	Cooling concept	self cooling	self cooling	Self- cooling
Application	Degree of Protection	IP65	IP65	IP65
	Relative humidity range (non-condensation)	0~95%	0~95%	0~95%
	Max operating altitude above MSL	2000 m	2000 m	2000 m
Feature	Display	LCD	LCD	LCD
	Communication interface	RS485	RS485	RS485
	Certification	CE/VDE/G83/ENEL/AS4777		