



- › PWM or MPPT Option
- › Selectable input voltage range
- › Fast set up
- › Overload and short circuit protection
- › Cold start function
- › Optional anti-dust kit
- › Compatible with grid and generator support as power supply



MODEL	TT-NEW1K	TT-NEW1K/MPPT	TT-NEW3K	TT-NEW3K/MPPT	TT-NEW5K	TT-NEW5K/MPPT
Rated Power [VA/W]	1000/1000		3000 / 3000		5000 / 5000	
Parallel Capability	No					
INPUT AC						
Voltage [V AC]	230					
Selectable Voltage Range [V AC]	170-280 (For Personal Computers) ; 90-280 (For Home Appliances)					
Nominal Frequency [Hz]	50 / 60 (Auto Sensing)					
INPUT DC						
Max input current per MPPT [A]	50	18	50	18	50	50
Max short circuit current per MPPT [A]	50	22	50	22	50	60
MPPT Range @ Operating Voltage [V]	N/A	17 ~ 80	N/A	30 ~ 80	N/A	60 ~ 115
Number of MPPT	N/A	1	N/A	1	N/A	1
Strings per MPPT	N/A	1	N/A	1	N/A	1
OUTPUT						
AC Voltage Regulation (Batt. Mode) [V AC]	230 ± 5%					
Surge Power [VA]	2000		6000		10000	
Efficiency (Peak) [%]	90 ~ 93					
Transfer Time [ms]	10 (For Personal Computers) ; 20 (For Home Appliances)					
Waveform	Pure Sine Wave					
BATTERY						
Battery Voltage [V]	12		24		48	
Floating Charge Voltage [V]	13.5		27		54	
Overcharge Protection [V]	16		33		63	
SOLAR CHARGER & AC CHARGER						
Solar Charger Type	PWM	MPPT	PWM	MPPT	PWM	MPPT
Max. PV Array Open Circuit Voltage [V]	55	102	80	102	105	145
Max. PV Array Power [W]	600	500	1200	1000	2400	3000
MPPT Range @ Operating Voltage [V]	N/A	17 ~ 80	N/A	30 ~ 80	N/A	60 ~ 115
Max. Solar Charge Current [A]	50	40	50	40	50	60
Max. AC Charge Current [A]	20		25		60	
Max. Charge Current [A]	50	60	70	60	110	120
PHYSICAL FEATURES						
Dimension, D x W x H [mm]	88 x 225 x 320		100 x 285 x 334		100 x 300 x 440	
Net Weight [kg]	4.4	4.4	6.3	6.5	8.5	9.7
Communication Interface	USB/RS232					
ENVIRONMENT						
Humidity [%]	5 to 95 Relative Humidity (Non-condensing)					
Operating Temperature [°C]	-10 ~ 50					
Storage Temperature [°C]	-15 ~ 60					

* TommaTech GmbH reserves the right to change the specification of the products without prior notice.

Ver.2407.29