THREE PHASE HYBRID INVERTER MAXI SERIES





Simple. Reliable. Efficient.





INV-TT-TF-M60K / INV-TT-TF-M70K INV-TT-TF-M75K / INV-TT-TF-M80K

TommaTech®'s M60/70/75/80K three-phase inverters are ideal solutions for both commercial and industrial projects. With 6 MPPT support, they provide high efficiency and are suitable for outdoor use with an IP65 protection rating. The model offers remote monitoring and control features, and can increase capacity with parallel connection support for up to 10 units. Additionally, it provides flexible and powerful energy management solutions with high-efficiency battery integration and off-grid operation support.



HYBRID INVERTER MAXI SERIES (THREE PHASE)



	INV-TT-TF-M60K	INV-TT-TF-M70K	INV-TT-TF-M75K	INV-TT-TF-M80K	
PV String Input Data					
Max. PV Access Power (W)	120000	140000	150000	160000	
Max. PV Input Power (W)	96000	112000	120000	128000	
Max. PV Input Voltage (V)		100	00		
Start-up Voltage (V)	180				
MPPT Voltage Range (V)					
Rated PV Input Voltage (V)	150-850				
Max Operating PV Input Current (A)					
Max Input Short-Circuit Current (A)	54+54+54+54				
No. of MPP Trackers / No. of Strings MPP Tracker	6/2+2+2+2+2				
AC Input/Output Data			· - · - · -		
Rated AC Input/Output Active Power (W)	60000	70000	75000	80000	
Max AC Input/Output Apparent Power (VA)	66000	77000	82500	88000	
Pated AC Input/Output Current (A)	91/87	1061/1015	1137/1087	1334/1276	
Max AC Input/Output Current (A)	100/057	116 7/111 6	125/1106	121 3/115 0	
Max. AC input/Output Current (A)	100/33.7	20	0	121.3/113.5	
Max Continuous AC Passi nough (grid to toad) (A)	1.5 time of rated power 10.5				
Peak Power (oil-grid) (W)					
Power Factor Adjustment Range					
Rated Input/Output Voltage/Range (V)	22U/38UV, 23U/40UV U.85Un-1.1Un				
Rated Input/Output Grid Frequency/Range (Hz)	50Hz/45Hz-55Hz 60Hz/55Hz-65Hz				
Grid Connection Form	3L+N+PE				
Total Current Harmonic Distortion THDi	<3% (of nominal power)				
DC Injection Current	<0.5% In				
Battery Input Data					
Battery Type	Lithium-ion				
Battery Voltage Range (V)	160-1000				
Max. Charging Current (A)	80+80				
Max. Discharging Current (A)	80+80				
Charging Strategy for Li-ion Battery	Self-adaption to BMS				
Number of Battery Input		2			
Efficiency					
Max. Efficiency	97.60%	98.70%	97.60%	97.60%	
Euro Efficiency	97.0%	98.10%	97.0%	97.0%	
MPPT Efficiency		>99)%		
Equipment Protection					
Integrated	DC Polarity Reverse Connection Protection, AC Output Overcurrent Protection, Thermal Protection, AC Output Overvoltage Protection, AC Output Short Circuit Protection, DC Component Monitoring, Overvoltage Load Drop Protection, Ground Fault Current Monitoring, Arc Fault Circuit Interrupter (optional), Power Network Monitoring, Island Protection Monitoring, Earth Fault Detection, DC Input Switch, DC Terminal Insulation Impedance Monitoring, Residual Current (RCD) Detection, Surge protection level TYPE II(DC) TYPE II(AC)				
Interface		111 E 1(B C),			
Communication Interface		RS485/RS	232/CAN		
Monitor Mode	GPRS/WIFI/Bluetooth/4G/LANI (optional)				
General Data		GI H3/ WI I/ Blactood			
Operating Temperature Range (°C)		-40 to +60°C >	45°C Derating		
Permissible Ambient Humidity					
Pormissible Altitude					
NOISE (QB)	<u>> 00 00</u>				
Ingress Protection (IP) Rating	Non-kolated				
Inverter Topology					
Over Voltage Category					
Cabinet Size (WxHxD mm)					
Weight (kg)					
lype of Cooling	Intelligent Air Cooling				
Warranty	5 Years/10 Years				
	the Warranty Period Depends the Final Installation Site of Inverter, More Info Please Refer to Warranty Policy				
Grid Regulation	IEC 61727, IEC 62116,				
Safat / EMC Standard	EN 50549, VDE-AR-N 4105				
Jaiety / LMIC Stanudfu		IEC/EIN 01000-0-1/2/3/4, IEC/	LIN OCTUS-T, IEC/EIN OCTUS-C		

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

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