



Single Phase Hybrid Inverter
Uno - Hybrid - K
3.0/ 3.7/ 5.0/ 6.0/ 7.5



Simple. Reliable. Efficient.



Low Start-Up
Voltage



High
Efficiency



Remote
Monitoring



IP65
Rated



Hybrid
Solution

3.0kW

3.7kW

5.0kW



**Uno-Hybrid-K-3.0/ Uno-Hybrid-K-3.7/ Uno-Hybrid-K-5.0/
Uno-Hybrid-K-6.0/ Uno-Hybrid-K-7.5**

TommaTech®'s Uno-Hybrid K Series single phase inverters with a maximum efficiency of 97.6%, advanced PV array power, lower start-up voltage of 90V and maximum PV string voltage of 600V are compatible with our high voltage lithium ion as well as regular lead acid batteries. It offers plug and play installation and optimizes self-consumption through export control. There are five power options between 3.0 kW and 7.5 kW.



	Uno-Hy-K-3.0	Uno-Hy-K-3.7	Uno-Hy-K-5.0	Uno-Hy-K-6.0	Uno-Hy-K-7.5
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DC INPUT

Max. PV Array Input Power [Wp]	4500	5500	7500	9000	10000
Max. PV in Put Voltage [V]			600		
Start Output Voltage [V]			90		
Nominal Input Voltage [V]			360		
MPP Voltage Range [V]			70~550		
Number of MPPT / Strings per MPPT			2(1/1)		
Max. Input Current (MPPT A / MPPT B) [A]			16/16		
Max. Short Circuit Current (MPPT A / MPPT B) [A]			18/18		

AC INPUT & OUTPUT

Nominal AC Output Power [W]	3000	3680	5000(4600 for DE)	6000	7500(6900 for PEA)
Max. AC Output Apparent Power [VA]	3300	3680	5500(4600 for DE)	6600	7500(7300 for PEA)
Max. AC Output Current [A]	14.4	16.0	23.9(20 for DE)	28.6	32.6(33 for PEA)
Max. AC Input Apparent Power [VA]	6300	7360	9200	9200	9200
Max. AC Input Current [A]	27.4	32.0	40.0	40.0	40.0
Nominal AC Voltage [V]			180~270		
Nominal Grid Frequency/Grid Frequency Range [Hz]			50/60		
Displacement Power Factor			0.8 Leading ~ 0.8 Lagging		
THDi (Rated Power) [%]			<2		

BATTERY DATA

Battery Type	Li-ion battery / Lead-acid battery				
Battery Voltage Range [V]	80-480				
Max. Continuous Charge/Discharge Current [A]	30				

EPS OUTPUT (WITH BATTERY)

Nominal Output Power [W]	3000	3680	5000	6000	7500
Peak Apparent Power [VA]	3600,1h	4416,1h	6000,1h	7200,10min	7500
Max. Continuous Current [A]	13	16	21.7	26.1	32.6
Nominal Voltage [V]; Frequency [Hz]	230; 50/60				
Switch Time [ms]	<10				
Parallel Operation	Yes				

SYSTEM DATA

Max. Efficiency [%]	97.6				
Euro. Efficiency [%]	97.0				
Battery Charge/Discharge Efficiency [%]	97.0/97.0				
Standby Consumption [W]	<3				
Ingress Protection	IP65				
Operating Temperature Range [°C]	-35~+60 (Derating at>45)				
Max. Operation Altitude [m]	3000				
Humidity [%]	0~100				
Typical Noise Emission [dB]	<30			<45	
Storage Temperature [°C]	-40~+65				
Dimensions [WxHxD] [mm]	482x417x181				
Net Weight [kg]	24				25
Cooling Concept	Natural cooling			Smart cooling	
Communication Interfaces	CT/ Meter(Optional)/ External Control RS485/ Wi-Fi / LAN Dongle (Optional)/ DRM USB Upgrade/ NTC				

STANDARD

Safety	EN/IEC62109-1/-2				
EMC	EN61000-6-1/2/3/ 4; EN61000-3-2/3/11/12				

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