



## Single Phase String Inverter **Uno - Performance** 6.0/ 7.0/ 8.0

*Small Inverter  
Big Performance*



High  
Efficiency



Low Start-Up  
Voltage



Small &  
Lightweight



IP65  
Rated

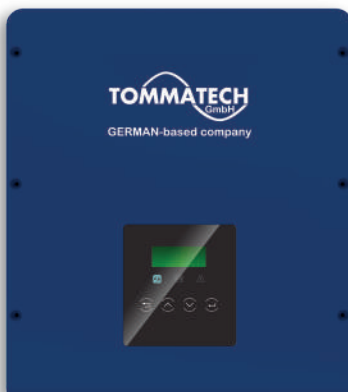


Remote  
Monitoring

6.0kW

7.0kW

### **Uno-Performance-6.0/ Uno-Performance-7.0/ Uno-Performance-8.0**



The all-new TOMMATECH Uno-Performance range of inverters boast a massive 97.8% efficiency utilizing the latest high-efficiency power components and advanced DSP control technology. Small, lightweight, and equipped with two wide voltage range MPPT trackers, Uno-Performance inverters can be connected to two separate solar panel arrays making them one of the most efficient solar string inverters available on the market today. Furthermore, the increased flexibility of indoor and outdoor installation ensures that you are getting the most out of your solar energy solution.

## Uno-P-6.0

## Uno-P-7.0

## Uno-P-8.0

### INPUT (DC)

Max.PV array power [Wp]	9000	10500	12000
Max.recommended DC power[W]	3000/4000	3000/5000	3000/6000
Max.DC voltage [V]	550	550	550
Nominal DC operating voltage [V]	360	360	360
Max. input current [A]	12/24	12/24	12/24
Max. short circuit current [A]	14/28	14/28	14/28
MPPT voltage range[V]	100-530	100-530	100-530
Start operating voltage[V]	120	120	120
No. of MPP trackers / Strings per MPP tracker	2(1/2)	2(1/2)	2(1/2)

### OUTPUT AC

Nominal AC power [VA]	6000	7000	8000
Max. AC power [VA]	6600	7700	8800
Nominal grid voltage(AC voltage range) [V]		220/230/240; 160~285	
Nominal grid frequency/range [Hz]		50/60; ±5	
Nominal AC current [A]	28.7	33.5	38.3
Max. AC current [A]		45	
Displacement power factor		0.8 leading ~ 0.8 lagging	
THDi, rated power [%]		<3	

### EFFICIENCY

MPPT efficiency [%]		99.90	
Euro efficiency [%]		96.80	
Max. efficiency [%]		97.40	

### POWER CONSUMPTION

Standby consumption (Night) [W]		<1	
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### STANDARD

Over voltage protection		YES	
Over current protection		YES	
DC isolation impedance monitoring		YES	
Ground fault current monitoring		YES	
DC injection monitoring		YES	
RCD protection		YES	
Safety		IEC62109-1/IEC62109-2	
EMC	EN 61000-3-2 / EN 61000-3-3 / EN 61000-3-11 / EN 61000-3-12 / EN 61000-6-1 / EN61000-6-2 / EN 61000-6-3		
Certification		AS4777	

### ENVIRONMENT LIMIT

Degree of protection(according to IEC60529)		IP65	
Operating temperature range [OC]		-25~+60(derating at 45)	
Max. operation altitude [m]		<2000	
Humidity [%]		0~100 (non-condensing)	
Storage temperature [OC]		-25~+60	
Typical noise emission [dB]		<45	

### DIMENSION AND WEIGHT

Dimensions(WxHxD) [mm]		401*450*190	
Weight[kg]		22	
Cooling concept		Natural	
Topology		Non-isolated	
Communication interfaces	Pocket WiFi(optional)/Pocket LAN (optional)/Pocket GPRS (optional)/Meter(Optional)/RS485/DRM/USB-upgrade		
LCD display		Backlight 20*4 character	
Standard warranty [years]		5/10	