



Single Phase String Inverter
Uno - Standard
2.5/ 3.0/ 3.3

Simple. Reliable. Efficient



High
Efficiency



Wide Voltage
Range



Remote
Monitoring



IP65
Rated



Low Start-Up
Voltage

2.5kW

3kW

Uno-Standard-2.5/ Uno-Standard-3.0/ Uno-Standard-3.3



Unrivalled in solar industry for our quality, reliability and efficiency, we have developed single phase string inverters ranging from 2.5kW to 3.3kW. The wide MPPT voltage range from 70V to 580V allows for more solar energy harvesting with a maximum efficiency of 97.1%. TOMMATECH Uno-Standard inverters don't need an internal fan and are rated IP65, thus enabling outdoor installation. Optionally, the inverters can be equipped with mobile Wi-Fi for remote monitoring.

Uno-S-2.5

Uno-S-3.0

Uno-S-3.3

INPUT (DC)

Max.PV array power [Wp]	3750	4500	4950
Max.DC voltage [V]	600	600	600
Nominal DC operating voltage [V]	360	360	360
Max. input current [A]	12	12	12
Max. short circuit current [A]	14	14	14
MPPT voltage range[V]	70-580	70-580	70-580
Start operating voltage[V]	80	80	80
No. of MPP trackers	1	1	1
Strings per MPP tracker	1	1	1

OUTPUT AC

Nominal AC power [VA]	2500	3000	3300
Max. AC power [VA]	2750	3300	3630
Nominal grid voltage(AC voltage range) [V]	220/230/240; 180~280		
Nominal grid frequency/range [Hz]	50/60; ±5		
Nominal AC current [A]	10.9	13.0	14.3
Max. AC current [A]	12.0	14.3	15.8
Displacement power factor	0.8 leading ~ 0.8 lagging		
THDi, rated power [%]	<2		

EFFICIENCY

MPPT efficiency [%]	99.9		
Euro efficiency [%]	96.8		
Max. efficiency [%]	97.1		

POWER CONSUMPTION

Standby consumption (Night) [W]	<2		
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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/-2		
EMC	EN61000-6-1;EN61000-6-2;EN61000-6-3;EN61000-3-2;EN61000-3-3		
Certification	G98; AS4777; VDE4105; EN50549; CEIO-21		

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-condensation)		
Storage temperature [OC]	-25~+60		
Typical noise emission [dB]	<25		

DIMENSION AND WEIGHT

Dimensions(WxHxD) [mm]	323*402*119		
Weight[kg]	10.5		
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	Yes		
Standard warranty [years]	5-10		