



Single Phase String Inverter
Uno - Atom
0.7/ 1.1/ 1.5/ 2.0

Small Inverter
Big Performance



High Efficiency



Low Start-Up Voltage



Remote Monitoring



Small & Lightweight



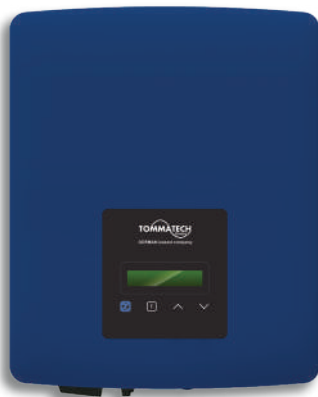
IP65 Rated

0.7kW

1.1kW

1.5kW

Uno-Atom-0.7/ Uno-Atom-1.1/ Uno-Atom-1.5/ Uno-Atom-2.0



TOMMATECH Uno-Atom string inverters are designed and engineered to be installed in the smallest of spaces without lacking performance. With a maximum efficiency of 97.1% and a low start-up voltage of 65V, Uno-Atom inverters ensure unrivalled performance, allowing you to harvest the maximum amount of energy possible from your PV solution. Furthermore, the IP65 design increases your flexibility to choose where to install the system as it can either be installed inside or outside.

Uno-A-0.7 Uno-A-1.1 Uno-A-1.5 Uno-A-2.0

INPUT (DC)

Max.PV array power [Wp]	1050	1650	2250	3000
Max.recommended DC power[W]	400	400	400	400
Max.DC voltage [V]	360	360	360	360
Nominal DC operating voltage [V]	12	12	12	12
Max. input current [A]	14	14	14	14
Max. short circuit current [A]	55-380	55-380	55-380	55-380
MPPT voltage range[V]	70	70	70	70
Start operating voltage[V]	1	1	1	1
No. of MPP trackers / Strings per MPP tracker	1	1	1	1

OUTPUT AC

Nominal AC power [VA]	700	1100	1500	2000
Max. AC power [VA]	770	1210	1650	2200
Nominal grid voltage(AC voltage range) [V]	220/230/240; 180~280			
Nominal grid frequency/range [Hz]	50/60; ±5			
Nominal AC current [A]	3.04	4.78	6.52	8.70
Max. AC current [A]	3.3	5.3	7.2	9.6
Displacement power factor	0.8 leading ~ 0.8 lagging			
THDi, rated power [%]	<3			

EFFICIENCY

MPPT efficiency [%]	99.9			
Euro efficiency [%]	95	95.5	96	96.5
Max. efficiency [%]	97.1			

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/-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]	267*328*116			
Weight[kg]	6			
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			