



Single Phase Hybrid Inverter  
**Uno Micro Series**  
0.8 / 1.6 / 2.0 / 2.5

*Minimal, Compact, Modular.*



High Efficiency



Smart Management



Compact Design



Plug and Play



IP65 Protection

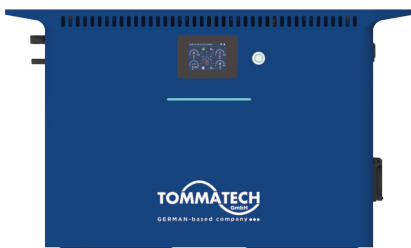


Lithium Battery

0.8kW

1.6kW

**Uno Micro 0.8KW AIO / Uno Micro 1.6KW AIO**  
**Uno Micro 2.0KW AIO / Uno Micro 2.5KW AIO**



The TommaTech Uno Micro Series is a compact, high-efficiency All-in-One (AIO) energy solution that combines an inverter, battery, and energy management system in a single unit. Optimized for low-power residential and balcony solar power applications, the system ensures maximum energy production with its 4 MPPT configuration and efficiency of up to 96.5%. Its integrated 2.56 kWh lithium battery offers long-lasting and safe storage while providing uninterrupted power with a transition time of less than 4 ms. With Wi-Fi and Bluetooth-enabled remote monitoring, IP65 protection, and on-grid/off-grid/hybrid operating modes, it is a flexible, easy-to-install, and reliable energy solution.

# UNO MICRO SERIES (SINGLE PHASE)



Uno Micro 0.8KW AIO

Uno Micro 1.6KW AIO

Uno Micro 2.0KW AIO

Uno Micro 2.5KW AIO

## PV STRING INPUT DATA

Max. PV access power (W)	5760W			
Max. Operating PV Input Current (A)	32+32+32+32A			
Max. Input Short-Circuit Current (A)	48+48+48+48A			
Rated PV Input voltage (V)	42.5V			
Start-up Voltage (V)	25Vdc			
MPPT voltage range (V)	20 ~ 55V			
No. of MPP Trackers/No. of Strings MPP Tracker	4/1+1+1+1			

## AC INPUT/OUTPUT DATA

Rated AC Input/Output Active Power (W)	800W	1600W	2000W	2500W
Max. AC Input/Output Active Power (W)	880W	1760W	2200W	2750W
Max. off grid power (W)	2500W			
Rated AC Input/Output Current (A)	3.7A / 3.5A800W	7.3A / 7.0A	9.1A / 8.7A2200W	11.4A / 10.9A
Max. AC Input/Output Current (A)	4A / 3.9A	8A / 7.7A	10A / 9.6A	12.5A / 12A
Peak Power (off-grid) (W)	2 times of rated power,10s			
AC Input / Output Frequency and Voltage	50Hz ( 45Hz ~ 55Hz ) , 60Hz ( 55Hz ~ 65Hz ) , L + N + PE , 220 / 230 Vac			
Power Factor Adjustment Range	0.8 leading-0.8lagging			
Max. Continuous AC Passthrough (grid to load)(A)	30A			
DC Injection Current	<0.5%In			

## BATTERY INPUT DATA

Battery Type	Lithium Battery			
Battery Voltage Range(V)	44.8-57.6 V			
Battery Nominal Energy (Wh)	2560Wh			
Max.Charging/Discharging Current(A)	50A			
Charging Strategy for Li-ion Battery	Self-adaption to BMS			

## EFFICIENCY

Max. Efficiency	96.5%			
Euro Efficiency	96.0%			
MPPT Efficiency	>99%			

## EQUIPMENT PROTECTION

Integrated	DC reverse polarity protection, AC Output Overcurrent Protection, AC Output Overvoltage Protection, AC Output Short Circuit Protection, Thermal Protection, Insulation Impedance detection, Anti-islanding protection			
Surge Protection Level	TYPE III(DC),TYPE III(AC)			

## GENERAL DATA

Max. Inverter Parallel NO	3 pcs (up to 7.5 kW rated output)			
Communication Interface.	Wi-Fi, Bluetooth, LoRa			
Operating Temperature Range (°C)	-10°C ~ 55°C, >45°C Derating, (-20°C~55°C with heating, optional)			
Permissible Altitude (m)	2000m			
Ingress Protection(IP) Rating	IP 65			
Cabinet Size (W X H X D)	560 x 330 x 210mm			
Weight (kg)	30kg			
Permissible Ambient Humidity	0% ~ 95% ( No Condensing )			
Warranty	10 years			
Grid Regulation	VDE 4105, IEC 61727/62116, EN 50549-1,			
Safety EMC/Standard	IEC 62619, UN38.3, IEC/EN 62109-1, IEC/EN 62109-2, IEC/EN 61000-6-1/2/3/4			

## Micro 2.56KWH AIO

## BATTERY TECHNICAL SPECIFICATION

Battery Chemistry	Lithium Battery			
Battery Nominal Voltage	51.2V			
Battery Nominal Energy	2560Wh			
Max. Charging / Discharging Current	50A			
Battery Operating Voltage	44.8V ~ 57.6V			
Battery Cycle Life	≥6,000 (@25°C±2°C, 70%EOL)			
Max. Stack NO.	5 pcs (up to 12.8kWh)			
Parallel Capability	40 pcs*			

## OTHER TECHNICAL SPECIFICATION

Display	LED ( SOC, Alarm )			
Communication Interfaces	LoRa			
Dimension ( W x D x H ) (mm)	450 x 210 x 244 (without terminal)			
Ingress Protection(IP) Rating	IP 65			
Weight Approximate	22±3 kg			
Operating Temperature Range	-10°C~55°C ( -20°C~55°C with heating, optional)			
Max. Operating Altitude	2,000m			
Relative Humidity	0% ~ 95% ( No Condensing )			
Certification	UN38.3, IEC 62619, CE			
Installation Style	Floor-Mounted,Stacked-Mounted			
Warranty	10 years			

\*Maximum 40 Pieces Micro 2.56KWH AIO Packs in Parallel, Up to 102.4kWh.

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

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