

# UNO HOME SINGLE PHASE INVERTER



Single Phase Dual MPPT Inverter

**Uno Home**

**3.0/ 3.3/ 3.6/ 4.2/ 4.6/ 5.0/ 5.5/ 6.0**

*Simple. Reliable. Efficient.*



High  
Efficiency



Wide Voltage  
Range



Remote  
Monitoring



'Smart Plug'  
Load Control



Small &  
Lightweight

3.0kW

3.3kW

3.6kW

4.2kW



**Uno-Home-3.0/ Uno-Home-3.3/ Uno-Home-3.6/Uno-Home-4.2/  
Uno-Home-4.6/Uno-Home-5.0/Uno-Home-5.5/Uno-Home-6.0**

To offer the best solution for every customer, we developed 8 single phase string inverters ranging from 3kW to 6kW. The wide voltage range of two inbuilt MPPTs allow for harvesting with a maximum efficiency of 97.8%. Additionally, TommaTech® Uno-Home plug & play inverters with an LCD touch screen are IP66 rated and can be monitored online with a Wi-Fi accessory.

# UNO HOME (SINGLE PHASE)



Uno-H-3.0   Uno-H-3.3   Uno-H-3.6   Uno-H-4.2   Uno-H-4.6   Uno-H-5.0   Uno-H-5.5   Uno-H-6.0

## DC INPUT

Max. PV array power [Wp]	4500	4950	5400	6300	6900	7500	8250	9000
Max. DC voltage [V]	600							
Nominal DC operating voltage [V]	360							
Max. input current [A]	14/14							
Max. short circuit current [A]	16/16							
MPPT voltage range [V]	70~580							
Start operating voltage [V]	100							
No. of MPPTs	2							
Strings per MPPT	1/1							

## AC OUTPUT

Nominal AC power [VA]	3000	3300	3680	4200	4600	5000	5500	6000
Max. AC apparent power [VA]	3300	3630	4080	4620	5060	5500	6050	6600
Nominal grid voltage [V]	220/230/240; 180~280							
Nominal grid frequency [Hz]	50/60							
Nominal AC current [A]	13	14.3	16	18.3	20	21.7	23.9	26.1
Max. AC current [A]	14.3	15.8	17.6	20.1	22	23.9	26.9	28.7
Displacement power factor	0.8 Leading ~ 0.8 Lagging							
THDi, rated power [%]	<2							

## EFFICIENCY

MPPT efficiency [%]	99.9							
Max. efficiency [%]	97.8							

## POWER CONSUMPTION

Standby consumption [W]	<0.5							
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## STANDARD

Over/under voltage protection	Yes							
DC isolation protection	Yes							
Monitoring ground fault protection	Yes							
Grid monitoring	Yes							
DC injection monitoring	Yes							
Back feed current monitoring	Yes							
Residual current detection	Yes							
Anti-islanding protection	Yes							
Over temp protection	Yes							
SPD	Yes							
Safety	IEC62109-1/-2							
EMC	EN61000-6-1/2/3/4, EN61000-3-2/3/11/12							

## ENVIRONMENT LIMIT

Ingress protection (according to IEC60529)	IP66							
Operating temperature range [°C]	-25~+60 (Derating>45)							
Max. operation altitude [m]	<3000							
Humidity [%]	0~100 (Non-Condensation)							
Storage temperature [°C]	-30~+70							
Typical noise emission [dB]	<30							

## DIMENSIONS AND WEIGHT

Dimensions (WxHxD) [mm]	430x341.5x143							
Weight [kg]	13.5	13.5	13.5	15	15	14.5	15	15
Cooling concept	Natural							
Topology	Non-Isolated							
Communication interfaces	RS485 / USB - Update / Optional: Mobile Wi-Fi / Mobile LAN / Remote Wi-Fi / Uno Smart Meter							
LCD display	Yes							
Standard warranty [Years]	5 (Extendable)							