



Single Phase String Inverter

Uno Home N Series

3.6 / 4 / 4.2 / 4.6 / 5 / 5.2 / 6 / 6.2

Simple. Reliable. Efficient.



High
Efficiency



Zero
Export



Wide Voltage
Range



Low Start-Up
Voltage



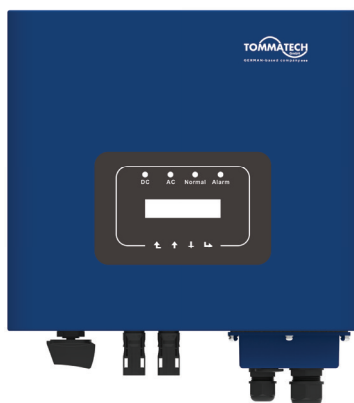
Remote
Monitoring



Small &
Lightweight



IP65
Rated



3.6kW

4.0kW

4.2kW

**Uno-Home-N-3.6/Uno-Home-N-4.0/Uno-Home-N-4.2/
Uno-Home-N-4.6/Uno-Home-N-5.0/Uno-Home-N-5.2/
Uno-Home-N-6.0/Uno-Home-N-6.2**

Uno Home N Series is a compact and high-efficiency inverter solution designed for residential solar applications. Featuring 2 MPPT trackers and a maximum efficiency of up to 97.5%, it ensures optimal energy generation under various conditions. The inverter supports Zero Export mode, making it compliant with grid regulations. Additionally, its low start-up voltage of just 80V enables earlier energy production during low irradiation periods.

SINGLE PHASE STRING INVERTER

PV String Input Data	Uno-H-3.6-N	Uno-H-4.0-N	Uno-H-4.2-N	Uno-H-4.6-N	Uno-H-5.0-N	Uno-H-5.2-N	Uno-H-6.0-N	Uno-H-6.2-N
Max. PV Input Power (kW)	5.4	6	6.3	6.9	7.5	7.8	9	9.3
Max. PV Input Voltage (V)	550							
Start-up Voltage (V)	80							
MPPT Voltage Range (V)	70-500							
Rated PV Input Voltage (V)	360							
Max. Operating PV Input Current (A)	18+18							
Max. Input Short Circuit Current (A)	27+27							
No. of MPP Trackers/ No. of Strings MPP Tracker	2/1+1							
AC Output Side								
Rated AC Output Active Power (kW)	3.6	4	4.2	4.6	5	5.2	6	6.2
Max. AC Output Apparent Power (kVA)	3.96	4.4	4.62	5.06	5.5	5.72	6.6	6.82
Rated AC Output Current (A)	16.4/15.7	18.2/17.4	19.1/18.3	21/20	22.8/21.8	23.7/22.7	27.3/26.1	28.2/27
Max. AC Output Current (A)	18/17.3	20/19.2	21/20.1	23/22	25/24	26/24.9	30/28.7	31/29.7
Rated Output Voltage/Range (V)	220/230 0.85Un-1.1Un							
Grid Connection Form	L/N/PE							
Rated Output Grid Frequency/Range(Hz)	50/45-55, 60/55-65							
Power Factor Adjustment Range	0.8 leading to 0.8 lagging							
Total Current Harmonic Distortion THDi	<3%							
DC Injection Current	<0.5In							
Efficiency								
Max. Efficiency	97.3%				97.5%			
Euro Efficiency	96.9%				97.0%			
MPPT Efficiency	>99%							
Equipment Protection								
DC Reverse Polarity Protection	Yes							
AC Output Overcurrent Protection	Yes							
AC Output Overvoltage Protection	Yes							
AC Output Short Circuit Protection	Yes							
Thermal Protection	Yes							
Insulation Impedance Detection	Yes							
DC Component Monitoring	Yes							
Arc Fault Circuit Interrupter (AFCI)	Optional							
Anti-islanding Protection	Yes							
Residual Current Detection	Yes							
Surge Protection Level	TYPE II(DC), TYPE II(AC)							
DC Switch	Yes							
Interface								
Communication Interface	RS485/RS232							
Monitor Mode	GPRS/WIFI/Bluetooth/4G/LAN(optional)							
General Data								
Operating Temperature Range (°C)	-25 to +60°C, >45°C Derating							
Permissible Ambient Humidity	0-100%							
Permissible Altitude (m)	3000m							
Over Voltage Category	≤35							
Ingress Protection(IP) Rating	IP 65							
Inverter Topology	Non-Isolated							
Noise (dB)	OVC II(DC), OVC III(AC)							
Cabinet Size (WxHxD mm)	305x280x180 (Excluding Connectors and Brackets)							
Weight (kg)	7.7							
Warranty	5 Years							
Type of Cooling	Natural Cooling							
Grid Regulation	IEC 61727, IEC 62116, EN 50549, NRS 097, RD 140, UNE 217002, G98, G99							
Safety EMC/Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2							