

ON-GRID STRING INVERTERS

A consolidated commercial and technical guide for residential, commercial and utility-scale PV systems.

0.8-136 kW

1 + 3 PHASE

13 SERIES



WIDE PV WINDOWS

Flexible string design



MULTI-MPPT

Up to eight trackers



REMOTE MONITORING

Wi-Fi / LAN / 4G options



GRID COMPLIANCE

CE + model certificates

Thirteen series. Eighty-five linked power models.

The official CW Enerji category spans module-level microinverters through 136 kW three-phase string platforms. Closely related power ratings are consolidated under one series table, with wider families split only for legibility.

0.8-136 kW
OUTPUT RANGE

85
LINKED MODELS

1-8
MPPT TRACKERS

IP65-IP67
ENCLOSURE RANGE

01 NEW GENERATION · THREE-PHASE

Trio Inova 3-15 · Castor 18-25 · Evo 30-36 · Zen 40-50 · Force 70-110 · Grand 120-136 kW

02 NEW GENERATION · SINGLE-PHASE

Uno Atom N 1-4 · Uno Home N 3.6-6.2 kW

03 ESTABLISHED STRING PLATFORMS

Uno Atom 0.6-3.6 · Trio Plus K 8-30 · Trio Atom K 3-15 · Uno Home 3-6 kW

04 MODULE-LEVEL CONVERSION

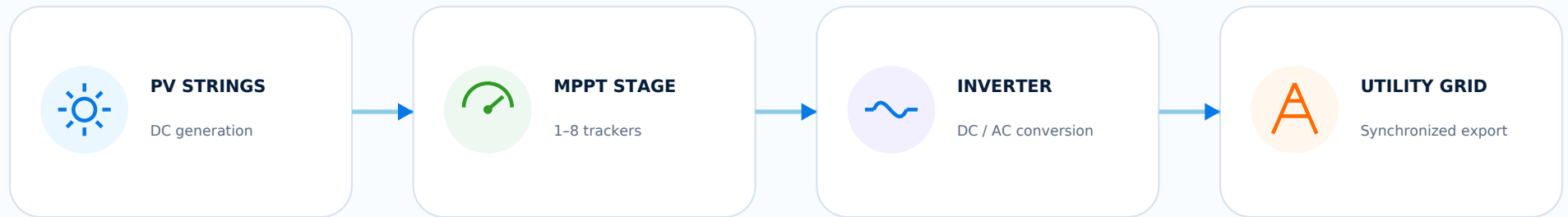
Micro S 800 W · two independent MPPT inputs · wireless monitoring

READING LOGIC

Variant table = model-specific values · Common data = values shared by the displayed series · Buttons open official source documents.

Convert, control, monitor and protect the energy flow.

An on-grid inverter converts PV DC power into grid-compatible AC. MPPT channels optimize array operating points, while grid monitoring, export control and communications support compliant, observable operation.




ZERO EXPORT

Supported series can regulate exported power with the specified meter / controller architecture.



REMOTE VISIBILITY

GPRS, Wi-Fi, Bluetooth, 4G and LAN options vary by platform and selected accessory.



PROTECTION LAYERS

Anti-islanding, residual-current detection, DC polarity and AC fault protections are documented by series.

ENGINEERING NOTE

Confirm local grid code, string Voc at minimum temperature, current limits, protection coordination and export-control topology before final selection.

Trio Inova Series · TABLE 1/2

CONSOLIDATED MODEL DATA



3.0-15.0 kW

THREE-PHASE

-  Zero export
-  Wide voltage range
-  Remote monitoring
-  AFCI optional

TECHNICAL PARAMETER	3K	4K	5K	6K	7K
Max. PV input power (kW)	4.5	6	7.5	9	10.5
Rated AC active power (kW)	3	4	5	6	7
Max. AC apparent power (kVA)	3.3	4.4	5.5	6.6	7.7
Rated AC current, 380/400 V (A)	4.6/4.4	6.1/5.8	7.6/7.3	9.1/8.7	10.7/10.2
Max. AC current, 380/400 V (A)	5/4.8	6.7/6.4	8/4.8	10/9.6	11.7/11.2

PV VOLTAGE MAX. 1100 V	START-UP / MPPT 140 V / 120-1000 V	MPPT / STRINGS 2 / 1+1; 15K: 1+2	MAX. EFFICIENCY up to 98.5%
PROTECTION IP65 · Type II DC/AC SPD	COOLING Natural	DIMENSIONS 283×525×178-188 mm	WEIGHT / WARRANTY 11.5-12 kg / 5 years

Consolidated from the linked official technical sheet. Verify the current revision and local requirements before design approval.

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Trio Inova Series · TABLE 2/2

CONSOLIDATED MODEL DATA



3.0-15.0 kW

THREE-PHASE

-  Zero export
-  Wide voltage range
-  Remote monitoring
-  AFCI optional

TECHNICAL PARAMETER	8K	9K	10K	12K	15K
Max. PV input power (kW)	12	13.5	15	18	22.5
Rated AC active power (kW)	8	9	10	12	15
Max. AC apparent power (kVA)	8.8	9.9	11	13.2	16.5
Rated AC current, 380/400 V (A)	12.2/11.6	13.7/13.1	15.2/14.5	18.2/17.4	22.8/21.8
Max. AC current, 380/400 V (A)	13.4/12.8	15/14.4	16.7/16	20/19.2	25/24

PV VOLTAGE MAX.
1100 V

START-UP / MPPT
140 V / 120-1000 V

MPPT / STRINGS
2 / 1+1; 15K: 1+2

MAX. EFFICIENCY
up to 98.5%

PROTECTION
IP65 · Type II DC/AC SPD

COOLING
Natural

DIMENSIONS
283×525×178-188 mm

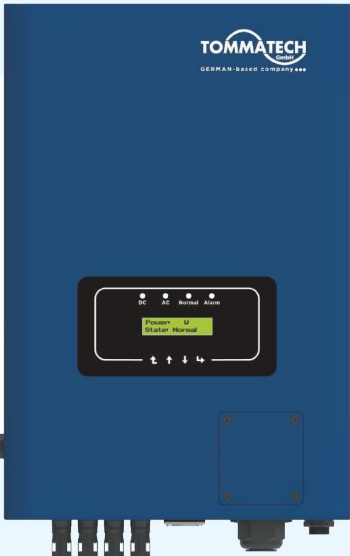
WEIGHT / WARRANTY
11.5-12 kg / 5 years

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Trio Castor Series

CONSOLIDATED MODEL DATA



18.0-25.0 kW

THREE-PHASE

- High PV voltage
- Wide voltage range
- Remote monitoring
- AFCI optional

TECHNICAL PARAMETER	18K	20K	22K	23K	25K
Max. PV input power (kW)	23.4	26	28.6	29.9	32.5
Rated AC active power (kW)	18	20	22	23	25
Max. AC apparent power (kVA)	19.8	22	24.2	25.3	27.5
Rated AC current, 380/400 V (A)	27.3/26.1	30.3/29	33.4/31.9	34.9/33.4	37.9/36.2
Max. AC current, 380/400 V (A)	30/28.7	33.3/31.9	36.7/35.1	38.4/36.7	41.7/39.8

PV VOLTAGE MAX.
1100 V

START-UP / MPPT
250 V / 200-1000 V

MPPT / STRINGS
2 / 2+2

MAX. EFFICIENCY
98.5%

PROTECTION
IP65 · Type II DC/AC SPD

COOLING
Intelligent air

DIMENSIONS
362×527×220 mm

WEIGHT / WARRANTY
20 kg / 5 years

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Trio Evo Series

CONSOLIDATED MODEL DATA



30.0-36.0 kW

THREE-PHASE

-  High efficiency
-  Zero export
-  Remote monitoring
-  AFCI optional

TECHNICAL PARAMETER	30K	33K	35K	36K
Max. PV input power (kW)	39	42.9	45.5	46.8
Rated AC active power (kW)	30	33	35	36
Max. AC apparent power (kVA)	33	36.3	38.5	39.6
Rated AC current, 380/400 V (A)	45.5/43.5	50/47.8	53/50.7	54.5/52.2
Max. AC current, 380/400 V (A)	50/47.9	55/52.6	58.3/55.8	60/57.4

PV VOLTAGE MAX.
1100 V

START-UP / MPPT
250 V / 200-1000 V

MPPT / STRINGS
2 / 3+3

MAX. EFFICIENCY
98.6%

PROTECTION
IP65 · Type II DC/AC SPD

COOLING
Intelligent air

DIMENSIONS
330×572×206 mm

WEIGHT / WARRANTY
28.7 kg / 5 years

Consolidated from the linked official technical sheet. Verify the current revision and local requirements before design approval.

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Trio Zen Series

CONSOLIDATED MODEL DATA



40.0-50.0 kW

THREE-PHASE



High PV voltage



Zero export



Remote monitoring



AFCI optional

TECHNICAL PARAMETER	40K	45K	50K
Max. PV input power (kW)	52	58.5	65
Rated AC active power (kW)	40	45	50
Max. AC apparent power (kVA)	44	49.5	55
Rated AC current, 380/400 V (A)	60.6/58	68.2/65.2	75.8/72.5
Max. AC current, 380/400 V (A)	66.7/63.8	75/71.7	83.3/79.7

PV VOLTAGE MAX.
1100 V

START-UP / MPPT
250 V / 200-1000 V

MPPT / STRINGS
3 / 3+3+3; 50K: 4 / 3+3+3+3

MAX. EFFICIENCY
98.7%

PROTECTION
IP65 · Type II DC/AC SPD

COOLING
Intelligent air

DIMENSIONS
434×570×243 mm

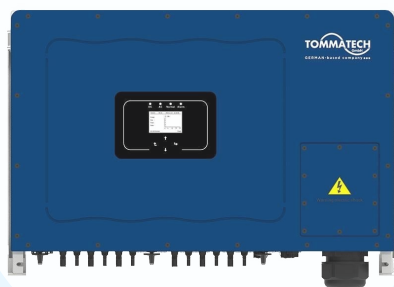
WEIGHT / WARRANTY
39 kg / 5 years

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Trio Force Series

CONSOLIDATED MODEL DATA



70.0-110.0 kW

THREE-PHASE



Zero export



Surge protection



Remote monitoring



Multi-MPPT

TECHNICAL PARAMETER	70K	75K	80K	90K	100K	110K
Max. PV input power (kW)	91	97.5	104	135	150	150
Rated AC active power (kW)	70	75	80	90	100	110
Max. AC apparent power (kVA)	77	82.5	88	99	110	121
Rated AC current, 380/400 V (A)	106.1/101.5	113.6/108.7	121.2/115.9	136.4/130.4	151.5/144.9	166.7/159.4
Max. AC current, 380/400 V (A)	116.7/111.6	125/119.6	133.3/127.5	150/143.5	166.7/159.4	183.3/175.4

PV VOLTAGE MAX.
1000 V

START-UP / MPPT
250 V / 200-850 V

MPPT / STRINGS
4 / 4+4+4+4; 90K+: 6 / 4×6

MAX. EFFICIENCY
up to 98.8%

PROTECTION
IP65 · Type II DC/AC SPD

COOLING
Intelligent air

DIMENSIONS
824×516×312.7 mm

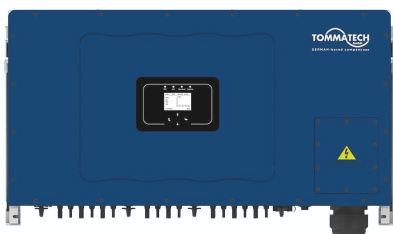
WEIGHT / WARRANTY
81 kg / 5 years

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Trio Grand Series

CONSOLIDATED MODEL DATA



120.0-136.0 kW

THREE-PHASE



High capacity



Eight MPPTs



Remote monitoring



AFCI optional

TECHNICAL PARAMETER	120K	125K	130K	135K	136K
Max. PV input power (kW)	180	187.5	195	202.5	204
Rated AC active power (kW)	120	125	130	135	136
Max. AC apparent power (kVA)	132	135	135	135	136
Rated AC current, 380/400 V (A)	181.9/174	189.4/181.2	197/188.5	204.6/195.7	206.1/197.2
Max. AC current, 380/400 V (A)	200/191.4	204.6/195.7	204.6/195.7	204.6/195.7	206.1/197.2

PV VOLTAGE MAX.
1100 V

START-UP / MPPT
250 V / 200-1000 V

MPPT / STRINGS
8 / 4+4+4+4+4+4+4+4

MAX. EFFICIENCY
98.8%

PROTECTION
IP65 · Type II DC/AC SPD

COOLING
Intelligent air

DIMENSIONS
1006×516×325.5 mm

WEIGHT / WARRANTY
103 kg / 5 years

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Uno Atom N Series · TABLE 1/2

CONSOLIDATED MODEL DATA

TECHNICAL PARAMETER	1.0N	1.5N	2.0N	2.2N	2.5N
Max. PV input power (kW)	1.3	2	2.6	2.9	3.3
Full-load MPPT range (V)	90-500	140-500	180-500	225-500	225-500
Rated AC active power (kW)	1	1.5	2	2.2	2.5
Max. AC apparent power (kVA)	1.1	1.65	2.2	2.42	2.75
Rated AC current, 220/230 V (A)	4.6/4.4	6.8/6.5	9.1/8.7	10.0/9.6	11.4/10.9
Max. AC current, 220/230 V (A)	5/4.8	7.5/7.2	10/9.6	11.0/10.6	12.5/12

1.0-4.0 kW

SINGLE-PHASE



Low start-up



Zero export



Remote monitoring



LCD + LED

PV VOLTAGE MAX.
550 V

START-UP / MPPT
80 V / 70-500 V

MPPT / STRINGS
1 / 1

MAX. EFFICIENCY
up to 97.5%

PROTECTION
IP65 · Type II DC/AC SPD

COOLING
Natural

DIMENSIONS
280×272.5×171.5 mm

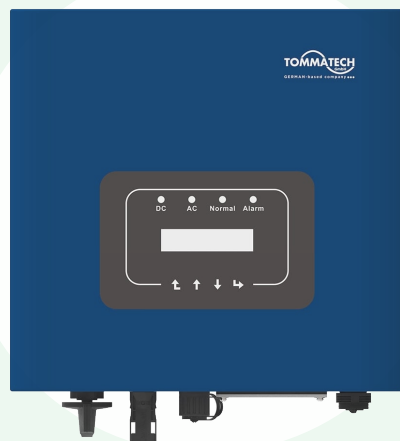
WEIGHT / WARRANTY
5.6 kg / 5 years

Technical values are taken from the specification section of the official user manual; no separate datasheet is linked on the current product page.

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Uno Atom N Series · TABLE 2/2

CONSOLIDATED MODEL DATA



1.0-4.0 kW

SINGLE-PHASE



Low start-up



Zero export



Remote monitoring



LCD + LED

TECHNICAL PARAMETER	2.7N	3.0N	3.3N	3.6N	4.0N
Max. PV input power (kW)	3.5	3.9	4.3	4.7	5.2
Full-load MPPT range (V)	270-500	270-500	330-500	325-500	360-500
Rated AC active power (kW)	2.7	3	3.3	3.6	4
Max. AC apparent power (kVA)	2.97	3.3	3.63	3.96	4.4
Rated AC current, 220/230 V (A)	12.3/11.8	13.7/13.1	15.0/14.4	16.4/15.7	18.2/17.4
Max. AC current, 220/230 V (A)	13.5/13.0	15/14.4	16.5/15.8	18/17.3	20/19.2

PV VOLTAGE MAX.
550 V

START-UP / MPPT
80 V / 70-500 V

MPPT / STRINGS
1 / 1

MAX. EFFICIENCY
up to 97.5%

PROTECTION
IP65 · Type II DC/AC SPD

COOLING
Natural

DIMENSIONS
280×272.5×171.5 mm

WEIGHT / WARRANTY
5.6 kg / 5 years

Technical values are taken from the specification section of the official user manual; no separate datasheet is linked on the current product page.

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Uno Home N Series · TABLE 1/2

CONSOLIDATED MODEL DATA



3.6-6.2 kW

SINGLE-PHASE

-  Dual MPPT
-  Zero export
-  Remote monitoring
-  Wide PV range

TECHNICAL PARAMETER	3.6N	4.0N	4.2N	4.6N
Max. PV input power (kW)	5.4	6	6.3	6.9
Rated AC active power (kW)	3.6	4	4.2	4.6
Max. AC apparent power (kVA)	3.96	4.4	4.62	5.06
Rated AC current, 220/230 V (A)	16.4/15.7	18.2/17.4	19.1/18.3	21/20
Max. AC current, 220/230 V (A)	18/17.3	20/19.2	21/20.1	23/22

PV VOLTAGE MAX. 550 V	START-UP / MPPT 80 V / 70-500 V	MPPT / STRINGS 2 / 1+1	MAX. EFFICIENCY up to 97.5%
PROTECTION IP65 · Type II DC/AC SPD	COOLING Natural	DIMENSIONS 305×280×180 mm	WEIGHT / WARRANTY 7.7 kg / 5 years

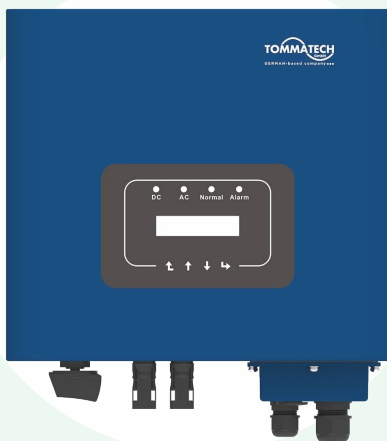
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Uno Home N Series · TABLE 2/2

CONSOLIDATED MODEL DATA



3.6-6.2 kW

SINGLE-PHASE



Dual MPPT



Zero export



Remote monitoring



Wide PV range

TECHNICAL PARAMETER	5.0N	5.2N	6.0N	6.2N
Max. PV input power (kW)	7.5	7.8	9	9.3
Rated AC active power (kW)	5	5.2	6	6.2
Max. AC apparent power (kVA)	5.5	5.72	6.6	6.82
Rated AC current, 220/230 V (A)	22.8/21.8	23.7/22.7	27.3/26.1	28.2/27
Max. AC current, 220/230 V (A)	25/24	26/24.9	30/28.7	31/29.7

PV VOLTAGE MAX.
550 V

START-UP / MPPT
80 V / 70-500 V

MPPT / STRINGS
2 / 1+1

MAX. EFFICIENCY
up to 97.5%

PROTECTION
IP65 · Type II DC/AC SPD

COOLING
Natural

DIMENSIONS
305×280×180 mm

WEIGHT / WARRANTY
7.7 kg / 5 years

Consolidated from the linked official technical sheet. Verify the current revision and local requirements before design approval.

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Uno Atom Series · TABLE 1/2

CONSOLIDATED MODEL DATA

TECHNICAL PARAMETER	0.6	0.7	1.1	1.5	2.0
Max. PV array power (Wp)	900	1050	1650	2250	3000
Rated AC power (VA)	600	700	1100	1500	2000
Max. AC power (VA)	660	770	1210	1650	2200
Rated AC current (A)	2.61	3.04	4.78	6.52	8.7
Max. AC current (A)	2.9	3.3	5.3	7.2	9.6
Euro efficiency (%)	95.0	95.0	95.5	96.0	96.5

0.6-3.6 kW

SINGLE-PHASE



Compact format



Low start-up



Remote monitoring



Single MPPT

PV VOLTAGE MAX.
450-550 V by model

START-UP / MPPT
50-70 V / 45-530 V

MPPT / STRINGS
1 / 1

MAX. EFFICIENCY
98.0%

PROTECTION
IP66

COOLING
Natural

DIMENSIONS
267×328×126 mm

WEIGHT / WARRANTY
6 kg / 5 yr product + 5 yr parts*

The 3.6 maximum AC value is reproduced as published. Datasheet states 5-year product + 5-year parts; current warranty conditions govern eligibility.

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Uno Atom Series · TABLE 2/2

CONSOLIDATED MODEL DATA



0.6-3.6 kW

SINGLE-PHASE

-  Compact format
-  Low start-up
-  Remote monitoring
-  Single MPPT

TECHNICAL PARAMETER	2.5	3.0	3.3	3.6
Max. PV array power (Wp)	3750	4500	4950	5400
Rated AC power (VA)	2500	3000	3300	3680
Max. AC power (VA)	2750	3300	3330	3300
Rated AC current (A)	10.8	13.04	14.3	16.0
Max. AC current (A)	11.9	14.3	14.3	16.0
Euro efficiency (%)	96.5	96.5	96.5	96.5

PV VOLTAGE MAX. 450-550 V by model	START-UP / MPPT 50-70 V / 45-530 V	MPPT / STRINGS 1 / 1	MAX. EFFICIENCY 98.0%
PROTECTION IP66	COOLING Natural	DIMENSIONS 267×328×126 mm	WEIGHT / WARRANTY 6 kg / 5 yr product + 5 yr parts*

The 3.6 maximum AC value is reproduced as published. Datasheet states 5-year product + 5-year parts; current warranty conditions govern eligibility.

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Trio Plus K Series · TABLE 1/2

CONSOLIDATED MODEL DATA



8.0-30.0 kW

THREE-PHASE

-  Dual / triple MPPT
-  High PV current
-  Remote monitoring
-  Smart fan on larger models

TECHNICAL PARAMETER	8K	10K	12K	15K
Max. PV array power (Wp)	12000	15000	18000	22500
Nominal AC power (VA)	8000	10000	12000	15000
Max. AC power (VA)	8800	11000	13200	16500
Nominal AC current, 380/400 V (A)	12.2/11.6	15.2/14.5	18.2/17.4	22.8/21.8
Max. AC current (A)	13.2	16	19.3	24.2

PV VOLTAGE MAX. 1100 V	START-UP / MPPT 200 V / 160-980 V	MPPT / STRINGS 2×2; 20K+: 3×2	MAX. EFFICIENCY up to 98.5%
PROTECTION IP66	COOLING Natural / smart fan	DIMENSIONS 482×417×181 mm	WEIGHT / WARRANTY 24.5-28 kg / 5 yr product + 5 yr parts*

Datasheet states 5-year product + 5-year parts. Current warranty conditions govern eligibility and destination-market terms.

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Trio Plus K Series · TABLE 2/2

CONSOLIDATED MODEL DATA



8.0-30.0 kW

THREE-PHASE

-  Dual / triple MPPT
-  High PV current
-  Remote monitoring
-  Smart fan on larger models

TECHNICAL PARAMETER	17K	20K	25K	30K
Max. PV array power (Wp)	25500	30000	37500	45000
Nominal AC power (VA)	17000	20000	25000	30000
Max. AC power (VA)	18700	22000	27500	30000
Nominal AC current, 380/400 V (A)	25.8/24.7	30.3/29	37.9/36.3	45.5/43.5
Max. AC current (A)	27.5	33.6	41.8	45.5

PV VOLTAGE MAX. 1100 V	START-UP / MPPT 200 V / 160-980 V	MPPT / STRINGS 2×2; 20K+: 3×2	MAX. EFFICIENCY up to 98.5%
PROTECTION IP66	COOLING Natural / smart fan	DIMENSIONS 482×417×181 mm	WEIGHT / WARRANTY 24.5-28 kg / 5 yr product + 5 yr parts*

Datasheet states 5-year product + 5-year parts. Current warranty conditions govern eligibility and destination-market terms.

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Trio Atom K Series · TABLE 1/2

CONSOLIDATED MODEL DATA



3.0-15.0 kW

THREE-PHASE

-  Dual MPPT
-  High PV capacity
-  Remote monitoring
-  Compact format

TECHNICAL PARAMETER	3K	4K	5K	6K
Max. PV array power (Wp)	6000	8000	10000	12000
Nominal AC power (VA)	3000	4000	5000	6000
Max. AC power (VA)	3300	4400	5500	6600
Nominal AC current, 380/400 V (A)	4.6/4.4	6.1/5.8	7.6/7.3	9.1/8.7
Max. AC current (A)	4.8	6.4	8.0	9.6
Weight (kg)	15.5	15.5	15.5	15.5

PV VOLTAGE MAX. 1000 V	START-UP / MPPT 150 V / 120-980 V	MPPT / STRINGS 2 / 1+1; 10K+: 2+1	MAX. EFFICIENCY 98.3%
PROTECTION IP66	COOLING Natural / smart fan	DIMENSIONS 342×434×144.5-156 mm	WARRANTY 5 yr product + 5 yr parts*

Datasheet states 5-year product + 5-year parts. Current warranty conditions govern eligibility and destination-market terms.

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Trio Atom K Series · TABLE 2/2

CONSOLIDATED MODEL DATA



3.0-15.0 kW

THREE-PHASE

-  Dual MPPT
-  High PV capacity
-  Remote monitoring
-  Compact format

TECHNICAL PARAMETER	8K	10K	12K	15K
Max. PV array power (Wp)	16000	20000	24000	30000
Nominal AC power (VA)	8000	10000	12000	15000
Max. AC power (VA)	8800	11000	13200	15000
Nominal AC current, 380/400 V (A)	12.2/11.6	15.2/14.5	18.2/17.4	22.7/21.8
Max. AC current (A)	12.8	16.0	19.1	22.7
Weight (kg)	17	17	18	18

PV VOLTAGE MAX. 1000 V	START-UP / MPPT 150 V / 120-980 V	MPPT / STRINGS 2 / 1+1; 10K+: 2+1	MAX. EFFICIENCY 98.3%
PROTECTION IP66	COOLING Natural / smart fan	DIMENSIONS 342×434×144.5-156 mm	WARRANTY 5 yr product + 5 yr parts*

Datasheet states 5-year product + 5-year parts. Current warranty conditions govern eligibility and destination-market terms.

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Uno Home Series · TABLE 1/2

CONSOLIDATED MODEL DATA



3.0-6.0 kW
SINGLE-PHASE

-  Dual MPPT
-  Smart Plug control
-  Remote monitoring
-  LCD display

TECHNICAL PARAMETER	3.0	3.3	3.6	4.2
Max. PV array power (Wp)	4500	4950	5400	6300
Nominal AC power (VA)	3000	3300	3680	4200
Max. AC apparent power (VA)	3300	3630	4080	4620
Nominal AC current (A)	13	14.3	16	18.3
Max. AC current (A)	14.3	15.8	17.6	20.1
Weight (kg)	13.5	13.5	13.5	15

PV VOLTAGE MAX. 600 V	START-UP / MPPT 100 V / 70-580 V	MPPT / STRINGS 2 / 1+1	MAX. EFFICIENCY 97.8%
PROTECTION IP66 · SPD	COOLING Natural	DIMENSIONS 430×341.5×143 mm	WARRANTY 5 yr product + 5 yr parts*

Datasheet states 5-year product + 5-year parts. Current warranty conditions govern eligibility and destination-market terms.

[SOURCE DATA](#)
[USER MANUAL](#)

Uno Home Series · TABLE 2/2

CONSOLIDATED MODEL DATA



3.0-6.0 kW

SINGLE-PHASE



Dual MPPT



Smart Plug control



Remote monitoring



LCD display

TECHNICAL PARAMETER	4.6	5.0	5.5	6.0
Max. PV array power (Wp)	6900	7500	8250	9000
Nominal AC power (VA)	4600	5000	5500	6000
Max. AC apparent power (VA)	5060	5500	6050	6600
Nominal AC current (A)	20	21.7	23.9	26.1
Max. AC current (A)	22	23.9	26.9	28.7
Weight (kg)	15	14.5	15	15

PV VOLTAGE MAX.
600 V

START-UP / MPPT
100 V / 70-580 V

MPPT / STRINGS
2 / 1+1

MAX. EFFICIENCY
97.8%

PROTECTION
IP66 · SPD

COOLING
Natural

DIMENSIONS
430×341.5×143 mm

WARRANTY
5 yr product + 5 yr parts*

Datasheet states 5-year product + 5-year parts. Current warranty conditions govern eligibility and destination-market terms.

[SOURCE DATA](#)
[USER MANUAL](#)

Micro S Series

OFFICIAL PUBLISHED PRODUCT DATA



800 W

SINGLE-PHASE MICROINVERTER



Module-level conversion



Two independent MPPTs



AC-coupled compatible



Small and lightweight

MAXIMUM OUTPUT
800 VA

MPPT / ARRAY INPUTS
2 / 2

AC OUTPUT
Single-phase

MONITORING
Integrated wireless Wi-Fi

PROTECTION
IP67

COOLING
Natural

INSTALLATION
Plug / play

WARRANTY
10 years

CERTIFICATE FAMILY

VDE-AR-N 4105 · IEC 62109 · RED · IEC 61000 · IEC 62920

No dedicated datasheet is linked; only manufacturer-published page data is shown. The product page states 10 years; current warranty conditions govern eligibility.

[SOURCE DATA](#)
[PRODUCT PAGE](#)

Choose the platform by power, phase and MPPT architecture.

This screening matrix narrows the portfolio; it does not replace a string calculation, grid-code review or protection design.

SERIES	POWER	PHASE	MPPT	PV MAX.	EFFICIENCY	IP	COOLING	MODELS
Trio Inova	3–15 kW	3φ	2	1100 V	up to 98.5%	65	Natural	10
Trio Castor	18–25 kW	3φ	2	1100 V	98.5%	65	Smart air	5
Trio Evo	30–36 kW	3φ	2	1100 V	98.6%	65	Smart air	4
Trio Zen	40–50 kW	3φ	3–4	1100 V	98.7%	65	Smart air	3
Trio Force	70–110 kW	3φ	4–6	1000 V	up to 98.8%	65	Smart air	6
Trio Grand	120–136 kW	3φ	8	1100 V	98.8%	65	Smart air	5
Uno Atom N	1–4 kW	1φ	1	550 V	up to 97.5%	65	Natural	10
Uno Home N	3.6–6.2 kW	1φ	2	550 V	up to 97.5%	65	Natural	8
Uno Atom	0.6–3.6 kW	1φ	1	450–550 V	98.0%	66	Natural	9
Trio Plus K	8–30 kW	3φ	2–3	1100 V	up to 98.5%	66	Natural/fan	8
Trio Atom K	3–15 kW	3φ	2	1000 V	98.3%	66	Natural/fan	8
Uno Home	3–6 kW	1φ	2	600 V	97.8%	66	Natural	8
Micro S	800 W	1φ	2	—	Published high	67	Natural	1

φ = phase · PV maximum is the published maximum DC input voltage · model count follows the current category page.

A common feature language across the portfolio.

Availability and optionality differ by series. The product tables and official documents remain the controlling source for each project.



GRID SAFETY

Anti-islanding, AC overcurrent, AC overvoltage and short-circuit protection are listed across the string platforms.



DC PROTECTION

Reverse-polarity protection, insulation monitoring, DC component monitoring and DC switches are documented by series.



SURGE + AFCI

New-generation sheets list Type II DC/AC surge protection; AFCI is optional on the identified platforms.



REMOTE MONITORING

RS485 / RS232 are common on new-generation sheets; GPRS, Wi-Fi, Bluetooth, 4G and LAN are optional monitor modes.



GRID INTERFACE

Three-phase families use 3L/N/PE; single-phase families use L/N/PE, with 50/60 Hz ranges stated in the relevant sheets.



ENVIRONMENT

The portfolio spans IP65, IP66 and IP67 enclosures, natural cooling and intelligent fan-assisted cooling.

DESIGN CONTROL

Do not infer a function from another series: confirm the exact model, accessory, firmware, certificate and current manual before quotation.

Current declaration scope and commercial warranty baseline.



EC DECLARATION OF CONFORMITY

IDS.CE.2026.19714.1

EN 62109-1:2010

EN 62109-2:2011

EN IEC 61000-6-2:2019

EN 61000-6-4:2007+A1:2011

EN 61000-3-11:2000

EN 61000-3-12:2011

First issue: 11 Mar 2025 · Certificate validity: 11 Mar 2026 – 11 Mar 2027

DECLARATION COVERAGE

UNO

Uno Atom · Uno Home · Uno Atom N

TRIO · COMPACT

Trio Atom · Trio Plus · Inova · Castor · Evo · Zen

TRIO · HIGH POWER

Force · Grand

MICRO + ACCESSORIES

Microinverter families and listed communications / controllers



WARRANTY CONDITIONS

5 YEARS STANDARD · ON-GRID

The current warranty conditions state five years from the TommaTech sales-invoice date for on-grid inverters. Coverage requires original products, qualified professional installation, compliance with manuals and warranty conditions, and use through licensed sales channels.

Country- or region-specific certificates may supersede the general terms.

The declaration's product list includes the model families presented here. Always open the linked PDF to verify tender-time validity and exact nomenclature.

Series-specific documents linked from the official product pages.

Each row summarizes the model-family certificate titles currently exposed by CW Enerji. Select the row to open a representative official certificate; the CE declaration remains available on the preceding page.

01	Trio Inova Series	EMC · EN 50549 · IEC · EN/IEC 62109 · LVD
02	Trio Castor Series	EMC · IEC · EN 50549 · LVD
03	Trio Evo Series	Conformity · IEC · EMC · EN 50549
04	Trio Zen Series	EN 50549 · LVD · EN/IEC 62109 · IEC · EMC
05	Trio Force Series	EN 50549 · IEC · EMC · EN/IEC 62109 · LVD
06	Trio Grand Series	EMC · IEC · EN 50549 · LVD · EN/IEC 62109
07	Uno Atom N Series	CE-LVD · EN 50549 · VDE 4105 · Conformity · IEC 62109 · CE-EMC
08	Uno Home N Series	CE declaration + datasheet-declared IEC 61727 / IEC 62116 / EN 50549
09	Uno Atom Series	VDE · LVD · EMC · IEC 61727 / 62116 · EN 50549 · TOR
10	Trio Plus K Series	IEC 61727 · VDE · EN 50549 · LVD · TOR · EMC
11	Trio Atom K Series	IEC 61727 · VDE · EN 50549 · LVD · TOR · EMC
12	Uno Home Series	VDE · LVD · EMC · EN 50549 · IEC 61727 / 62116
13	Micro S Series	VDE-AR-N 4105 · IEC 62109 · RED · IEC 61000 · IEC 62920

DOCUMENT CONTROL

Certificate titles are a navigation aid. The PDF scope, model list, dates and destination-market acceptance control.

Direct links to datasheets and user manuals.

Buttons open the official CW Enerji files used to consolidate the product pages. Uno Atom N uses its manual specification section; Micro S uses its current product page because no dedicated datasheet is linked.

01	Trio Inova Series	3.0-15.0 kW	DATA SOURCE	USER MANUAL
02	Trio Castor Series	18.0-25.0 kW	DATA SOURCE	USER MANUAL
03	Trio Evo Series	30.0-36.0 kW	DATA SOURCE	USER MANUAL
04	Trio Zen Series	40.0-50.0 kW	DATA SOURCE	USER MANUAL
05	Trio Force Series	70.0-110.0 kW	DATA SOURCE	USER MANUAL
06	Trio Grand Series	120.0-136.0 kW	DATA SOURCE	USER MANUAL
07	Uno Atom N Series	1.0-4.0 kW	DATA SOURCE	USER MANUAL
08	Uno Home N Series	3.6-6.2 kW	DATA SOURCE	USER MANUAL
09	Uno Atom Series	0.6-3.6 kW	DATA SOURCE	USER MANUAL
10	Trio Plus K Series	8.0-30.0 kW	DATA SOURCE	USER MANUAL
11	Trio Atom K Series	3.0-15.0 kW	DATA SOURCE	USER MANUAL
12	Uno Home Series	3.0-6.0 kW	DATA SOURCE	USER MANUAL
13	Micro S Series	800 W	DATA SOURCE	PRODUCT PAGE

Official source category accessed 14 Sep 2026. Product specifications may change without prior notice.

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