

blueplanet 3.0 – 10.0 TL3

Transformerless, three-phase string inverters.



The inverters for the private energy revolution.

Rapid amortization of residential and small commercial PV arrays

High flexibility for unconventional system designs

Simple installation and commissioning, also outdoors

Data logger with web server for continuous system monitoring

Optimised for the targeted self-consumption of solar power

6.5 TL3	7.5 TL3	8.6 TL3	9.0 TL3	10.0 TL3
7 800 W	9 000 W	10 300 W	10 800 W	12 000 W
310 – 800 V	350 – 800 V	403 – 800 V	420 – 800 V	470 – 800 V
200 – 950 V	200 – 950 V	200 – 950 V	200 – 950 V	200 – 950 V
653 V / 250 V	653 V / 250 V	653 V / 250 V	653 V / 250 V	653 V / 250 V
1 000 V	1 000 V	1 000 V	1 000 V	1 000 V
2 x 11 A	2 x 11 A	2 x 11 A	2 x 11 A	2 x 11 A
2 x 16 A	2 x 16 A	2 x 16 A	2 x 16 A	2 x 16 A
2	2	2	2	2
1	1	1	1	1
6 700 W	7 700 W	8 800 W	8 800 W	8 800 W
6 500 VA	7 500 VA	8 600 VA	9 000 VA	10 000 VA
6 500 VA	7 500 VA	8 600 VA	9 000 VA	10 000 VA
240 V / 415 V (3 / N / PE)	240 V / 415 V (3 / N / PE)	240 V / 415 V (3 / N / PE)	240 V / 415 V (3 / N / PE)	240 V / 415 V (3 / N / PE)
230 V / 400 V (3 / N / PE)	230 V / 400 V (3 / N / PE)	230 V / 400 V (3 / N / PE)	230 V / 400 V (3 / N / PE)	230 V / 400 V (3 / N / PE)
220 V / 380 V (3 / N / PE)	220 V / 380 V (3 / N / PE)	220 V / 380 V (3 / N / PE)	220 V / 380 V (3 / N / PE)	220 V / 380 V (3 / N / PE)
305 – 480 V	305 – 480 V	305 – 480 V	305 – 480 V	305 – 480 V
50 Hz / 60 Hz (45 – 65 Hz)	50 Hz / 60 Hz (45 – 65 Hz)	50 Hz / 60 Hz (45 – 65 Hz)	50 Hz / 60 Hz (45 – 65 Hz)	50 Hz / 60 Hz (45 – 65 Hz)
3 x 9.10 A @ 415 V	3 x 10.50 A @ 415 V	3 x 12.00 A @ 415 V	3 x 12.60 A @ 415 V	3 x 14.95 A @ 415 V
3 x 9.50 A @ 400 V	3 x 10.90 A @ 400 V	3 x 12.50 A @ 400 V	3 x 13.00 A @ 400 V	3 x 14.50 A @ 400 V
3 x 9.90 A @ 380 V	3 x 11.40 A @ 380 V	3 x 13.10 A @ 380 V	3 x 13.70 A @ 380 V	3 x 15.20 A @ 380 V
3 x 10.5 A	3 x 12.0 A	3 x 13.2 A	3 x 14.0 A	3 x 15.5 A
0 – 95 % Snom / 0.30 ind. – 0.30 cap.	0 – 95 % Snom / 0.30 ind. – 0.30 cap.	0 – 95 % Snom / 0.30 ind. – 0.30 cap.	0 – 95 % Snom / 0.30 ind. – 0.30 cap.	0 – 95 % Snom / 0.30 ind. – 0.30 cap.
0.29 %	0.3 %	0.3 %	0.3 %	0.27 %
3	3	3	3	3
98.3 %	98.3 %	98.3 %	98.3 %	98.5 %
97.6 %	97.7 %	97.9 %	97.9 %	98.3 %
3 W	3 W	3 W	3 W	3 W
transformerless	transformerless	transformerless	transformerless	transformerless
graphical display + LEDs	graphical display + LEDs	graphical display + LEDs	graphical display + LEDs	graphical display + LEDs
4-way navigation + 2 buttons	4-way navigation + 2 buttons	4-way navigation + 2 buttons	4-way navigation + 2 buttons	4-way navigation + 2 buttons
Ethernet, USB, RS485, optional: 4-DI	Ethernet, USB, RS485, optional: 4-DI	Ethernet, USB, RS485, optional: 4-DI	Ethernet, USB, RS485, optional: 4-DI	Ethernet, USB, RS485, optional: 4-DI
potential-free NOC max. 30 V / 1 A	potential-free NOC max. 30 V / 1 A	potential-free NOC max. 30 V / 1 A	potential-free NOC max. 30 V / 1 A	potential-free NOC max. 30 V / 1 A
DC plugs (SUNCLIX)	DC plugs (SUNCLIX)	DC plugs (SUNCLIX)	DC plugs (SUNCLIX)	DC plugs (SUNCLIX)
AC plug	AC plug	AC plug	AC plug	AC plug
-25 °C – +60 °C ¹⁾	-25 °C – +60 °C ¹⁾	-25 °C – +60 °C ¹⁾	-25 °C – +60 °C ¹⁾	-25 °C – +60 °C ¹⁾
0 – 100 %	0 – 100 %	0 – 100 %	0 – 100 %	0 – 100 %
2 000 m	2 000 m	2 000 m	2 000 m	2 000 m
2 000 m	2 000 m	2 000 m	2 000 m	2 000 m
temperature controlled fan	temperature controlled fan	temperature controlled fan	temperature controlled fan	temperature controlled fan
IP65	IP65	IP65	IP65	IP65
< 53 db (A)	< 53 db (A)	< 53 db (A)	< 53 db (A)	< 53 db (A)
522 x 363 x 246 mm	522 x 363 x 246 mm	522 x 363 x 246 mm	522 x 363 x 246 mm	522 x 363 x 246 mm
30 kg	30 kg	30 kg	30 kg	30 kg

EN 62109-1 / -2, EN 61000-6-2 / -3, EN 61000-3-2 / -3

overview see homepage / download

¹⁾ Power derating at high ambient temperatures