



1 ABB TRIO-20.0-TL-OUTD-S2-400 | 2 ABB TRIO-50.0-TL-OUTD-S2

ADVANTAGES

- Consistently high efficiency and yield levels
- IP65 for outdoor use
- Excellent price/performance ratio
- Wide input voltage range
- Very fast and precise MPP-Tracking
- Integrated DC isolation switch

Inverter type	TRIO-20.0-TL-OUTD-S2-400	TRIO-27.6-TL-OUTD-S2-400	PRO-33.0-TL-OUTD-S	TRIO-50.0-TL-OUTD
Article number	370011	370001	370058	370099
Technical Data				
Rated power P_N [W]	20000	27600	33000	50000
Max. AC apparent power S_{max} [VA]	22000	30000	33000	50000
Max. DC power P [Wp]	20750	28600	33700	51200
Max. efficiency / European efficiency [%]	98,2 / 98,0	98,2 / 98,0	98,3 / 98,0	98,3 / 98,0
MPP voltage range [V]	440 – 800	500 – 800	580 – 850	480 – 800
Max. input voltage [V]	1000	1000	1100	1000
Start input voltage [V]	250	250	610	610
Max. current per input [A]	25,0 / 25,0	32,0 / 32,0	58,0	110,0
Power factor cos ϕ ind. / cap.	-0,8 / 0,8	-0,8 / 0,8	-0,9 / 0,9	-0,9 / 0,9
Dimensions and characteristics				
[W × H × D] [mm]	702 / 1061 / 292	702 / 1061 / 292	740 / 520 / 300	730 / 1460 / 300
Weight [kg]	70	75	65	120
(Electrical) grid feed-in	three-phase	three-phase	three-phase	three-phase
Topology	without transformer	without transformer	without transformer	without transformer
Number of MPP-Tracker	2	2	1	1
Number of DC-Inputs	1 / 1	1 / 1	1	1
DC connection	Screw terminal connection	Screw terminal connection	Screw terminal connection	Screw terminal connection
Degree of protection	65	65	65	65
Interface ¹	RS485, analog Input	RS485, analog Input	RS485, analog Input	RS485, analog Input
Special features	diff. versions of generator junction boxes	diff. versions of generator junction boxes	SX version with fuse and SUNCLIX	modular design

¹ Optional VSN300 Data logger card

Accessory:

ABB Wall Mounting Bracket TRIO-50.0 (Art.-No. 370400)