



ADVANTAGES

- Straightforward and quick to install
- IP65 for outdoor use
- Excellent price/performance ratio
- Wide input voltage range
- Transformerless with outstanding efficiency
- Integrated DC isolation switch

ABB TRIO-7.5-TL-OUTD-S

Inverter type	TRIO-5.8-TL-OUTD-S	TRIO-7.5-TL-OUTD-S	TRIO-8.5-TL-OUTD	PVI-10.0-TL-OUTD-S	PVI-12.5-TL-OUTD-S
Article number	370028	370029	370034	370081	370053
Technical Data					
Rated power P_N [W]	5800	7500	8500	10000	12500
Max. AC apparent power S_{max} [VA]	5800	7500	8500	11500	13800
Max. DC power P [Wp]	6050	7650	8700	10300	12800
Max. efficiency / European efficiency [%]	98,0 / 97,4	98,0 / 97,5	98,0 / 97,5	97,8 / 97,1	97,8 / 97,2
MPP voltage range [V]	320 – 800	320 – 800	320 – 800	750	360 – 750
Max. input voltage [V]	1000	1000	1000	900	900
Start input voltage [V]	200	200	200	250	250
Max. current per input [A]	18,9	15,0 / 15,0	15,0 / 15,0	17,0 / 17,0	18,0 / 18,0
Power factor cos ϕ ind. / cap.	-0,8 / 0,8	-0,8 / 0,8	-0,8 / 0,8	-0,8 / 0,8	-0,8 / 0,8
Dimensions and characteristics					
[W × H × D] [mm]	429 / 641 / 220	429 / 641 / 220	429 / 641 / 220	645 / 716 / 224	645 / 716 / 224
Weight [kg]	25	28	28	41	41
(Electrical) grid feed-in	three-phase	three-phase	three-phase	three-phase	three-phase
Topology	without transformer	without transformer	without transformer	without transformer	without transformer
Number of MPP-Tracker	1	2	2	2	2
Number of DC-Inputs	2	2 / 2	2 / 2	2 / 2	2 / 2
DC connection	WM4	WM4	MC4	MC4	MC4
Degree of protection	65	65	65	65	65
Interface ¹	RS485	RS485	RS485	RS485	RS485
Special features	Remote update	Remote update	Remote update	grounding	grounding

¹ Optional VSN300 Data logger card