



Technical Data DC Disconnect Switch

SMA SUNNY TRIPOWER 15000TL / 20000TL / 25000TL

Data in accordance with AS 60947.3:2018

Identification	Rating data for utilization category DC-PV2		
Inverter model with integrated DC disconnect switch	STP15000TL-30 / ST20000TL-30 / STP25000TL-30		
Inverter manufacturer	SMA		
Inverter type	non-seperated / transformerless		
Inverter IP rating	IP65		
Polution degree outside the inverter	3		
Rated impulse withstand voltage (Uimp) [V]	8000		
Rated insulation voltage (Ui) [V]	1000		
Rated operational duty (Ue) [V]	1000		
Thermal current value (Ithe), outdoor, at 40°C shade ambient temperature [A]	MPPT A, B: 43 / 43		
Solar current value (Ithe), outdoor, at 40°C shade ambient temperature with solar effects [A]	MPPT A, B: 43 / 43		
Solar current value (Ithe), outdoor, at 60°C shade ambient temperature with solar effects [A]	MPPT A, B: 43 / 43		
	Rated operational voltage (Ue) [V DC]	Rated operational current (Ie) [A]	I _(make) and I _{c(break)} ² [A]
1-pole	1000	10.75	43
2-pole ¹ MPPT A	1000	33	43
2 pole ¹ MPPT B	1000	33	43

Note¹ - Pole configuration is pre-wired inside the inverter and is non-adjustable. Single 6-pole switch.

Note² - Tested to meet the maximum specifications of the inverter in acc. with AS/NZS5033 Amd 1 & 2, 4.3.5.2