



Manufacturer's Declaration

Static MPPT Efficiency of 99.8% with OptiTrac

The SMA PV inverters listed below usually include the MPP tracking algorithm OptiTrac. This tracking system operates highly efficient at a minimum static MPPT efficiency of 99.8% (according to DIN EN 50530). The tracking behaviour is tested during the internal type testing of our inverters in order to guarantee constant quality.

SUNNY BOY	SUNNY BOY US	SUNNY TRIPOWER	SUNNY CENTRAL
SB1.5-1VL-40	SB 3000TL-US-22	STP3.0-3AV-40	SC 500CP-10
SB2.0-1VL-40	SB 3800TL-US-22	STP4.0-3AV-40	SC 630CP-10
SB2.5-1VL-40	SB 4000TL-US-22	STP5.0-3AV-40	SC 720CP-10
SB3.0-1AV-40	SB 5000TL-US-22	STP6.0-3AV-40	SC 760CP-10
SB3.6-1AV-40	SB 6000TL-US-22	STP8.0-3AV-40	SC 800CP-10
SB4.0-1AV-40	SB 7000TL-US-22	STP10.0-3AV-40	SC 850CP-10
SB5.0-1AV-40	SB 7700TL-US-22	STP 5000TL-20	SC 900CP-10
SB3.0-1AV-41	SB3.0-1SP-US-40	STP 6000TL-20	SC 1000CP-10
SB3.6-1AV-41	SB3.8-1SP-US-40	STP 7000TL-20	SC-2200-10
SB4.0-1AV-41	SB5.0-1SP-US-40	STP 8000TL-20	SC-2500-EV-10
SB5.0-1AV-41	SB6.0-1SP-US-40	STP 9000TL-20	SC-2750-EV-10
SB6.0-1AV-41	SB7.0-1SP-US-40	STP 10000TL-20	
	SB7.7-1SP-US-40	STP 12000TL-20	
		STP 15000TL-30	
SUNNY HIGHPOWER	SUNNY TRIPOWER JP		SUNNY CENTRAL US
SHP 100-20	STP 10000TLEE-JP-11	STP 20000TL-30	SC 500CP-US-10
SHP 150-20	STP 25000TL-JP-10	STP 25000TL-30	SC 630CP-US-10
	STP 50-JP-40	STP 50-40	SC 720CP-US-10
	STP 60-JP-10*	STP 60-10*	SC 750CP-US-10
		SHP 75-10*	SC 800CP-US-10
			SC 850CP-US-10
			SC 900CP-US-10
			SC-1850-US-10
SUNNY HIGHPOWER US	SUNNY HIGHPOWER JP	SUNNY TRIPOWER US	
SHP 125-US-20	SHP 100-JP-20	STP 12000TL-US-10	SC-2200-US-10
SHP 150-US-20	SHP 143-JP-20	STP 15000TL-US-10	SC-2500-EV-US-10
		STP 20000TL-US-10	SC-2750-EV-US-10
		STP 24000TL-US-10	
		STP 30000TL-US-10	
		STP 33-US-41	
		STP 50-US-41	
		STP 50-US-40	
		STP 62-US-41	
			SUNNY CENTRAL JP
			SC 500CP-JP-10
			SC 630CP-JP-10
			SC 800CP-JP-10
			SC 1000CP-JP-10

* SMA OptiTrac is not supported

Niestetal, 12.02.2019

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ppa.

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