

Modbus register address	Short description / Enumerators	Unit	Format	Type	Access
30051	Device class: 8001 = Solar Inverters		U32	ENUM	RO
30053	Device type: 9098 = STP 5000TL-20 9099 = STP 6000TL-20 9100 = STP 7000TL-20 9102 = STP 9000TL-20 9103 = STP 8000TL-20 9281 = STP 10000TL-20 9282 = STP 11000TL-20 9283 = STP 12000TL-20		U32	ENUM	RO
30057	Serial number		U32	RAW	RO
30059	Software package		U32	FW	RO
30197	Current event number		U32	FIX0	RO
30199	Waiting time until feed-in	s	U32	Duration	RO
30201	Condition: 35 = Fault 303 = Off 307 = Ok 455 = Warning		U32	ENUM	RO
30203	Nominal power in Ok Mode	W	U32	FIX0	RO
30205	Nominal power in Warning Mode	W	U32	FIX0	RO
30207	Nominal power in Fault Mode	W	U32	FIX0	RO
30211	Recommended action: 336 = Contact manufacturer 337 = Contact installer 338 = invalid 887 = none		U32	ENUM	RO
30213	Message: 886 = none		U32	ENUM	RO
30215	Fault correction measure: 885 = none		U32	ENUM	RO
30217	Grid relay/contactactor: 51 = Closed 311 = Open 16777213 = Information not available		U32	ENUM	RO
30219	Derating: 557 = Temperature derating 884 = not active 16777213 = Information not available		U32	ENUM	RO
30225	Insulation resistance	Ohms	U32	FIX0	RO

Supported hardware and firmware:

Sunny Tripower: STP 5000TL-20 / STP 6000TL-20 / STP 7000TL-20 / STP 8000TL-20 / STP 9000TL-20 / STP 10000TL-20 / STP 12000TL-20

Starting with software package: 2.55.03.R

ok

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ok

ok

ok

ok

? 302

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? 3000000

Modbus register address	Short description / Enumerators	Unit	Format	Type	Access
30231	Maximum active power device	W	U32	FIX0	RO
30233	Set active power limit	W	U32	FIX0	RO
30247	Current event number for manufacturer		U32	FIX0	RO
30513	Total yield	Wh	U64	FIX0	RO
30517	Daily yield	Wh	U64	FIX0	RO
30521	Operating time	s	U64	Duration	RO
30525	Feed-in time	s	U64	Duration	RO
30529	Total yield	Wh	U32	FIX0	RO
30531	Total yield	kWh	U32	FIX0	RO
30533	Total yield	MWh	U32	FIX0	RO
30535	Daily yield	Wh	U32	FIX0	RO
30537	Daily yield	kWh	U32	FIX0	RO
30539	Daily yield	MWh	U32	FIX0	RO
30541	Operating time	s	U32	Duration	RO
30543	Feed-in time	s	U32	Duration	RO
30559	Number of events for user		U32	FIX0	RO
30561	Number of events for installer		U32	FIX0	RO
30563	Number of events for service		U32	FIX0	RO
30583	Grid feed-in counter reading	Wh	U32	FIX0	RO
30599	Number of grid connections		U32	FIX0	RO
30769	DC current input [1]	A	S32	FIX3	RO
30771	DC voltage input [1]	V	S32	FIX2	RO
30773	DC power input [1]	W	S32	FIX0	RO
30775	Power	W	S32	FIX0	RO
30777	Power L1	W	S32	FIX0	RO
30779	Power L2	W	S32	FIX0	RO
30781	Power L3	W	S32	FIX0	RO
30783	Grid voltage phase L1	V	U32	FIX2	RO
30785	Grid voltage phase L2	V	U32	FIX2	RO
30787	Grid voltage phase L3	V	U32	FIX2	RO
30795	Grid current	A	U32	FIX3	RO
30803	Grid frequency	Hz	U32	FIX2	RO
30805	Reactive power	VAr	S32	FIX0	RO
30807	Reactive power L1	VAr	S32	FIX0	RO
30809	Reactive power L2	VAr	S32	FIX0	RO
30811	Reactive power L3	VAr	S32	FIX0	RO
30813	Scheinleistung	VA	S32	FIX0	RO
30815	Scheinleistung L1	VA	S32	FIX0	RO
30817	Scheinleistung L2	VA	S32	FIX0	RO
30819	Scheinleistung L3	VA	S32	FIX0	RO

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Supported hardware and firmware:

Sunny Tripower: STP 5000TL-20 / STP 6000TL-20 / STP 7000TL-20 / STP 8000TL-20 / STP 9000TL-20 / STP 10000TL-20 / STP 12000TL-20

Starting with software package: 2.55.03.R

Modbus register address	Short description / Enumerators	Unit	Format	Type	Access	
30825	Operating mode of stat.V stab., stat.V stab. config.: 303 = Off 1069 = React. power/volt. char. Q(u) 1070 = Reactive power Q, direct spec. 1072 = Q specified by PV system control 1074 = cosPhi, direct specific. 1075 = cosPhi, specified by PV system control 1076 = cosPhi(P) characteristic 1984 = Reactive power/volt. char. Q(U) with meas. points 2270 = cos Phi or Q specification through optimum PV system control			U32	ENUM	RO
30829	Reactive power set value as a %	%	S32	FIX1	RO	
30831	cosPhi setpoint, cosPhi config., direct specif.		S32	FIX2	RO	
30833	cosPhi excit.type, cosPhi config., direct spec.: 1041 = Overexcited 1042 = Underexcited			U32	ENUM	RO
30835	Operating mode of feed-in management: 303 = Off 1077 = Active power limitation P in W 1078 = Act. power lim. as % of Pmax 1079 = Act. power lim. via PV system ctrl			U32	ENUM	RO
30837	Active power limitation P, active power configuration	W	U32	FIX0	RO	
30839	Active power limitation P, active power configuration	%	U32	FIX0	RO	
30881	Plant mains connection: 1779 = Separated 1780 = Public electricity mains 1781 = Island mains 16777213 = Information not available			U32	ENUM	RO
30925	Connection speed of SMACOM A: 302 = ----- 1720 = 10 Mbit/s 1721 = 100 Mbit/s			U32	ENUM	RO
30927	Duplex mode of SMACOM A: 302 = ----- 1726 = Half duplex 1727 = Full duplex			U32	ENUM	RO
30929	Speedwire connection status of SMACOM A: 35 = Fault 307 = Ok 455 = Warning 1725 = No connection			U32	ENUM	RO

Supported hardware and firmware:

Sunny Tripower: STP 5000TL-20 / STP 6000TL-20 / STP 7000TL-20 / STP 8000TL-20 / STP 9000TL-20 / STP 10000TL-20 / STP 12000TL-20

Starting with software package: 2.55.03.R

Modbus register address	Short description / Enumerators	Unit	Format	Type	Access
30949	Displacement power factor		U32	FIX3	RO
30953	Internal temperature	°C	S32	TEMP	RO
30957	DC current input [2]	A	S32	FIX3	RO
30959	DC voltage input [2]	V	S32	FIX2	RO
30961	DC power input [2]	W	S32	FIX0	RO
30975	Intermediate circuit voltage	V	S32	FIX2	RO
30977	Grid current phase L1	A	S32	FIX3	RO
30979	Grid current phase L2	A	S32	FIX3	RO
30981	Grid current phase L3	A	S32	FIX3	RO
31017	Current speedwire IP address		STR32	UTF8	RO
31025	Current speedwire subnet mask		STR32	UTF8	RO
31033	Current speedwire gateway address		STR32	UTF8	RO
31041	Current speedwire DNS server address		STR32	UTF8	RO
31085	Nominal power in Ok Mode	W	U32	FIX0	RO
31159	Current spec. reactive power Q	VAr	S32	FIX0	RO
31247	Residual current	A	S32	FIX3	RO
31793	DC current input [1]	A	S32	FIX3	RO
31795	DC current input [2]	A	S32	FIX3	RO
34113	Internal temperature	°C	S32	TEMP	RO
35377	Number of events for user		U64	FIX0	RO
35381	Number of events for installer		U64	FIX0	RO
35385	Number of events for service		U64	FIX0	RO
40009	Operating condition: 295 = MPP 381 = Stop 443 = Constant voltage		U32	ENUM	RW
40013	Language of the user interface: 777 = Deutsch 778 = English 779 = Italiano 780 = Español 781 = Français 782 = Ελληνικά 783 = 한국어 784 = Český 785 = Português 786 = Nederlands 796 = Slovenski 797 = Български 798 = Polski 799 = 日本語		U32	ENUM	RW

Supported hardware and firmware:

Sunny Tripower: STP 5000TL-20 / STP 6000TL-20 / STP 7000TL-20 / STP 8000TL-20 / STP 9000TL-20 / STP 10000TL-20 / STP 12000TL-20

Starting with software package: 2.55.03.R

Modbus register address	Short description / Enumerators	Unit	Format	Type	Access
40015	Normalized reactive power limitation by PV system ctrl	%	S16	FIX1	W
40016	Normalized active power limitation by PV system ctrl	%	S16	FIX0	W
40018	Fast shut-down: 381 = Stop 1467 = Start 1749 = Full stop		U32	ENUM	W
40022	Normalized reactive power limitation by PV system ctrl	%	S16	FIX2	W
40023	Normalized active power limitation by PV system ctrl	%	S16	FIX2	W
40024	Dis.pow.factor that can be changed via PV system ctrl		U16	FIX4	W
40025	Excitation type that can be changed by PV system ctrl: 1041 = Overexcited 1042 = Underexcited		U32	ENUM	W
40029	Operating status: 295 = MPP 381 = Stop 443 = Constant voltage 1392 = Fault 1393 = Waiting for PV voltage 1467 = Start 1469 = Shut down 1480 = Waiting for utilities company 2119 = Derating 16777213 = Information not available		U32	ENUM	RO
40063	Firmware version of the main processor		U32	FW	RO
40065	Firmware version of the logic component		U32	FW	RO
40067	Serial number		U32	RAW	RO
40095	Voltage monitoring upper maximum threshold	V	U32	FIX2	RW

ok

Supported hardware and firmware:

Sunny Tripower: STP 5000TL-20 / STP 6000TL-20 / STP 7000TL-20 / STP 8000TL-20 / STP 9000TL-20 / STP 10000TL-20 / STP 12000TL-20

Starting with software package: 2.55.03.R

Modbus register address	Short description / Enumerators	Unit	Format	Type	Access
40109	Country standard set: 27 = Special setting 42 = AS4777.3 306 = Island mode 60 Hz 313 = Island mode 50 Hz 333 = PPC 438 = VDE0126-1-1 560 = EN50438 1013 = Other standard 1020 = Medium-Voltage Directive (Germany) 1199 = PPDS 7501 = RD1663/661-A 7506 = VDE0126-1-1/UTE 7510 = VDE-AR-N4105 7513 = VDE-AR-N4105-MP 7514 = VDE-AR-N4105-HP 7518 = CEI 0-21 external 7522 = NEN-EN50438 7523 = C10/11/2012 7524 = RD1699 7525 = G83/2 7526 = VFR2013 7527 = VFR2014 7528 = G59/3 7529 = SI4777_HSI31_Pf		U32	ENUM	RO
40133	Grid nominal voltage	V	U32	FIX0	RW
40135	Nominal frequency	Hz	U32	FIX2	RW
40157	Automatic speedwire configuration switched on: 1129 = Yes 1130 = No		U32	ENUM	RW
40159	Speedwire IP address		STR32	IP4	RW
40167	Speedwire subnet mask		STR32	IP4	RW
40175	Speedwire gateway address		STR32	IP4	RW
40185	Maximum apparent power device	VA	U32	FIX0	RO
40195	Currently set apparent power limit	VA	U32	FIX0	RW

Supported hardware and firmware:

Sunny Tripower: STP 5000TL-20 / STP 6000TL-20 / STP 7000TL-20 / STP 8000TL-20 / STP 9000TL-20 / STP 10000TL-20 / STP 12000TL-20

Starting with software package: 2.55.03.R

Modbus register address	Short description / Enumerators	Unit	Format	Type	Access
40200	Operating mode of stat.V stab., stat.V stab. config.: 303 = Off 1069 = React. power/volt. char. Q(U) 1070 = Reactive power Q, direct spec. 1072 = Q specified by PV system control 1074 = cosPhi, direct specific. 1075 = cosPhi, specified by PV system control 1076 = cosPhi(P) characteristic 1984 = Reactive power/volt. char. Q(U) with meas. points 2270 = cos Phi or Q specification through optimum PV system control		U32	ENUM	RW
40204	Reactive power set value as a %	%	S32	FIX1	RW
40206	cosPhi setpoint, cosPhi config., direct specif.		S32	FIX2	RW
40208	cosPhi excit.type, cosPhi config., direct spec.: 1041 = Overexcited 1042 = Underexcited		U32	ENUM	RW
40210	Operating mode of feed-in management: 303 = Off 1077 = Active power limitation P in W 1078 = Act. power lim. as % of Pmax 1079 = Act. power lim. via PV system ctrl		U32	ENUM	RW
40212	Active power limitation P, active power configuration	W	U32	FIX0	RW
40214	Active power limitation P, active power configuration	%	U32	FIX0	RW
40216	Operating mode of active power reduction in case of overfrequency P(f): 303 = Off 1132 = Linear gradient 3175 = Linear gradient of the maximum active power		U32	ENUM	RW
40218	Difference between starting frequency and grid frequency, linear instantaneous power gradient configuration	Hz	U32	FIX2	RW
40220	Difference between reset frequency and grid frequency, linear instantaneous power gradient configuration	Hz	U32	FIX2	RW
40222	cosPhi at start point, cosPhi(P) char. config.		U32	FIX2	RW
40224	Excit. type at start point, cosPhi(P) char. conf.: 1041 = Overexcited 1042 = Underexcited		U32	ENUM	RW
40226	cosPhi at end point, cosPhi(P) char. config.		U32	FIX2	RW
40228	Excit. type at end point, cosPhi(P) char. config.: 1041 = Overexcited 1042 = Underexcited		U32	ENUM	RW
40230	Act. power at start point, cosPhi(P) char. config.	%	U32	FIX0	RW

Supported hardware and firmware:

Sunny Tripower: STP 5000TL-20 / STP 6000TL-20 / STP 7000TL-20 / STP 8000TL-20 / STP 9000TL-20 / STP 10000TL-20 / STP 12000TL-20

Starting with software package: 2.55.03.R

Modbus register address	Short description / Enumerators	Unit	Format	Type	Access
40232	Act. power at end point, cosPhi(P) char. config.	%	U32	FIX0	RW
40234	Active power gradient	%	U32	FIX0	RW
40238	Active power gradient, linear instantaneous power gradient configuration	%	U32	FIX0	RW
40240	Activation of stay-set indicator function, linear instantaneous power gradient configuration: 303 = Off 308 = On		U32	ENUM	RW
40242	Active power gradient after reset frequency, linear instantaneous power gradient configuration	%	U32	FIX0	RW
40244	Reactive current droop, full dynamic grid support configuration: 1233 = SDLWindV 1020 = Medium-Voltage Directive (Germany)		U32	ENUM	RW
40250	Operating mode of dynamic grid support, dynamic grid support configuration: 1265 = Limited dynamic grid support 1264 = Full dynamic grid support		U32	ENUM	RW
40252	Lower limit, voltage dead band, full dynamic grid support con	%	S32	FIX0	RW
40254	Upper limit, voltage dead band, full dynamic support configur	%	U32	FIX0	RW
40256	PWM inverse voltage, dynamic grid support configuration	%	U32	FIX0	RW
40258	PWM inversion delay, dynamic grid support configuration	s	U32	FIX2	RW
40260	Characteristic curve number of the PV system control procedure P(U)		U32	FIX0	RW
40428	Frequency monitoring median maximum threshold	Hz	U32	FIX2	RW
40430	Frq. monitoring median max. threshold trip. time	ms	U32	FIX0	RW
40432	Frequency monitoring lower maximum threshold	Hz	U32	FIX2	RW
40434	Frq. monitoring lower max. threshold trip. time	ms	U32	FIX0	RW
40436	Frequency monitoring upper minimum threshold	Hz	U32	FIX2	RW
40438	Frq. monitoring upper min. threshold trip. time	ms	U32	FIX0	RW
40440	Frequency monitoring median minimum threshold	Hz	U32	FIX2	RW
40442	Frq. monitoring median min. threshold trip. time	ms	U32	FIX0	RW
40446	Voltage monitoring upper max. threshold trip. time	ms	U32	FIX3	RW
40448	Voltage monitoring median maximum threshold	V	U32	FIX2	RW
40450	Voltage monitoring median max. threshold trip.time	ms	U32	FIX0	RW
40452	Voltage monitoring lower maximum threshold	V	U32	FIX2	RW
40456	Voltage monitoring lower max. threshold trip. time	ms	U32	FIX0	RW
40458	Voltage monitoring lower minimum threshold	V	U32	FIX2	RW
40462	Voltage monitoring lower min. threshold trip. time	ms	U32	FIX0	RW
40464	Voltage monitoring of median minimum threshold	V	U32	FIX2	RW
40466	Voltage monitoring median min. threshold trip.time	ms	U32	FIX0	RW

Supported hardware and firmware:

Sunny Tripower: STP 5000TL-20 / STP 6000TL-20 / STP 7000TL-20 / STP 8000TL-20 / STP 9000TL-20 / STP 10000TL-20 / STP 12000TL-20

Starting with software package: 2.55.03.R

Modbus register address	Short description / Enumerators	Unit	Format	Type	Access
40472	Reference voltage, PV system control	V	U32	FIX0	RW
40474	Reference correction voltage, PV system control	V	S32	FIX0	RW
40482	Reactive power gradient	%	U32	FIX0	RW
40484	Activation of active power gradient: 303 = Off 308 = On		U32	ENUM	RW
40490	Reactive power gradient, reactive power/voltage characterist	%	U32	FIX1	RW
40497	MAC address		STR32	UTF8	RO
40513	Speedwire DNS server address		STR32	IP4	RW
40575	Operating mode of multifunction relay: [1] 258 = Switching status grid relay 1341 = Fault indication 1342 = Fan control 1343 = Self-consumption 1349 = Control via communication 1359 = Battery bank		U32	ENUM	RW
40631	Device name		STR32	UTF8	RW
40789	Communication version		U32	REV	RO
40809	Revision status of the logic component		U32	FIX0	RW
40915	Set active power limit	W	U32	FIX0	RW
40997	Hysteresis voltage, dynamic grid support configuration	%	U32	FIX0	RW
40999	Setpoint cos(phi) as per EEI convention		S32	FIX4	W
41017	Adjustment time of characteristic operating point, conf. of grid integr. char. 1	s	U32	FIX1	RW
41019	Decrease ramp, conf. of grid integr. char. 1	%	U32	FIX1	RW
41021	Increase ramp, conf. of grid integr. char. 1	%	U32	FIX1	RW
41023	Number of points to be used, conf. of grid integr. char. 1		U32	FIX0	RW
41025	X-axes reference, conf. of grid integration char. 1: 1975 = Voltage in V 1976 = Voltage in percentages of Un		U32	ENUM	RW
41027	Y-axes reference, conf. of grid integration char. 1: 1977 = Var in percentages of Pmax 1978 = Power in percentages of Pmax 1979 = Power in percentages of frozen active power		U32	ENUM	RW
41029	X value 1, conf. of grid integr. char. 1		S32	FIX3	RW
41031	Y value 1, conf. of grid integr. char. 1		S32	FIX3	RW
41033	X value 2, conf. of grid integr. char. 1		S32	FIX3	RW
41035	Y value 2, conf. of grid integr. char. 1		S32	FIX3	RW
41037	X value 3, conf. of grid integr. char. 1		S32	FIX3	RW
41039	Y value 3, conf. of grid integr. char. 1		S32	FIX3	RW
41041	X value 4, conf. of grid integr. char. 1		S32	FIX3	RW

Supported hardware and firmware:

Sunny Tripower: STP 5000TL-20 / STP 6000TL-20 / STP 7000TL-20 / STP 8000TL-20 / STP 9000TL-20 / STP 10000TL-20 / STP 12000TL-20

Starting with software package: 2.55.03.R

Modbus register address	Short description / Enumerators	Unit	Format	Type	Access
41043	Y value 4, conf. of grid integr. char. 1		S32	FIX3	RW
41045	X value 5, conf. of grid integr. char. 1		S32	FIX3	RW
41047	Y value 5, conf. of grid integr. char. 1		S32	FIX3	RW
41049	X value 6, conf. of grid integr. char. 1		S32	FIX3	RW
41051	Y value 6, conf. of grid integr. char. 1		S32	FIX3	RW
41053	X value 7, conf. of grid integr. char. 1		S32	FIX3	RW
41055	Y value 7, conf. of grid integr. char. 1		S32	FIX3	RW
41057	X value 8, conf. of grid integr. char. 1		S32	FIX3	RW
41059	Y value 8, conf. of grid integr. char. 1		S32	FIX3	RW
41065	Adjustment time of char. operating point, conf. of grid integra	s	U32	FIX1	RW
41067	Decrease ramp, conf. of grid integration char. 2	%	U32	FIX1	RW
41069	Increase ramp, conf. of grid integration char. 2	%	U32	FIX1	RW
41071	Number of points to be used, conf. of grid integr. char. 2		U32	FIX0	RW
41073	Input unit, conf. of grid integration char. 2: 1975 = Voltage in V 1976 = Voltage in percentages of Un		U32	ENUM	RW
41075	Output frequency, conf. of grid integration char. 2: 1977 = Var in percentages of Pmax 1978 = Power in percentages of Pmax 1979 = Power in percentages of frozen active power		U32	ENUM	RW
41077	X value 1, conf. of grid integr. char. 2		S32	FIX3	RW
41079	Y value 1, conf. of grid integr. char. 2		S32	FIX3	RW
41081	X value 2, conf. of grid integr. char. 2		S32	FIX3	RW
41083	Y value 2, conf. of grid integr. char. 2		S32	FIX3	RW
41085	X value 3, conf. of grid integr. char. 2		S32	FIX3	RW
41087	Y value 3, conf. of grid integr. char. 2		S32	FIX3	RW
41089	X value 4, conf. of grid integr. char. 2		S32	FIX3	RW
41091	Y value 4, conf. of grid integr. char. 2		S32	FIX3	RW
41093	X value 5, conf. of grid integr. char. 2		S32	FIX3	RW
41095	Y value 5, conf. of grid integr. char. 2		S32	FIX3	RW
41097	X value 6, conf. of grid integr. char. 2		S32	FIX3	RW
41099	Y value 6, conf. of grid integr. char. 2		S32	FIX3	RW
41101	X value 7, conf. of grid integr. char. 2		S32	FIX3	RW
41103	Y value 7, conf. of grid integr. char. 2		S32	FIX3	RW
41105	X value 8, conf. of grid integr. char. 2		S32	FIX3	RW
41107	Y value 8, conf. of grid integr. char. 2		S32	FIX3	RW

Supported hardware and firmware:

Sunny Tripower: STP 5000TL-20 / STP 6000TL-20 / STP 7000TL-20 / STP 8000TL-20 / STP 9000TL-20 / STP 10000TL-20 / STP 12000TL-20

Starting with software package: 2.55.03.R

Modbus register address **Short description / Enumerators**

		Unit	Format	Type	Access
41121	Set country standard: 42 = AS4777.3 306 = Island mode 60 Hz 313 = Island mode 50 Hz 333 = PPC 438 = VDE0126-1-1 560 = EN50438 1013 = Other standard 1020 = Medium-Voltage Directive (Germany) 1199 = PPDS 7501 = RD1663/661-A 7506 = VDE0126-1-1/UTE 7510 = VDE-AR-N4105 7513 = VDE-AR-N4105-MP 7514 = VDE-AR-N4105-HP 7518 = CEI 0-21 external 7522 = NEN-EN50438 7523 = C10/11/2012 7524 = RD1699 7525 = G83/2 7526 = VFR2013 7527 = VFR2014 7528 = G59/3 7529 = SI4777_HS131_Pf 7530 = MEA2013		U32	FUNKTION_SEC	RW
41123	Min. voltage for reconnection	V	U32	FIX2	RW
41125	Max. voltage for reconnection	V	U32	FIX2	RW
41127	Lower frequency for reconnection	Hz	U32	FIX2	RW
41129	Upper frequency for reconnection	Hz	U32	FIX2	RW
41131	Minimum voltage input [1]	V	U32	FIX2	RW
41133	Minimum voltage input [2]	V	U32	FIX2	RW
41155	Start delay input [1]	s	U32	FIX0	RW
41157	Start delay input [2]	s	U32	FIX0	RW
41169	Minimum insulation resistance	Ohms	U32	FIX0	RW
41171	Set total yield	kWh	U32	FIX0	RW
41173	Set total operating time at grid connection point	h	U32	Duration	RW
41193	Operating mode for absent active power limitation: 2506 = Values maintained 2507 = Use fallback setting		U32	ENUM	RW
41195	Timeout for absent active power limitation	s	U32	Duration	RW
41197	Fallback act power lmt P in % of WMax for absent act power In	%	U32	FIX2	RW

Supported hardware and firmware:

Sunny Tripower: STP 5000TL-20 / STP 6000TL-20 / STP 7000TL-20 / STP 8000TL-20 / STP 9000TL-20 / STP 10000TL-20 / STP 12000TL-20

Starting with software package: 2.55.03.R

SMA Modbus Profile

Modbus register address **Short description / Enumerators**

Unit **Format** **Type** **Access**

43090	Login with Grid Guard-Code		U32	FIX0	RW
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Supported hardware and firmware:

Sunny Tripower: STP 5000TL-20 / STP 6000TL-20 / STP 7000TL-20 / STP 8000TL-20 / STP 9000TL-20 / STP 10000TL-20 / STP 12000TL-20

Starting with software package: 2.55.03.R