

# 1 Supported Models

This chapter describes the solar inverter models that use the Modbus protocol and the earliest firmware version. When a host needs to connect to these solar inverters, ensure that the firmware version is correct.

## 1.1 Model Description

**Table 1-1** Supported models and firmware versions

Model	Model ID	Earliest Firm Version	$P_{\max}$ (kW)	$Q_{\max}$ (kVar)	$S_{\max}$ (kVA)	$P_n$ (kW)	Number of PV Strings
SUN2000-8KTL	5	SUN2000 V100R001C 81	8.8	5.28	8.8	8	4
SUN2000-10KTL	4	SUN2000 V100R001C 81	11	6.6	11	10	4
SUN2000-12KTL	3	SUN2000 V100R001C 81	13.2	7.92	13.2	12	4
SUN2000-15KTL	2	SUN2000 V100R001C 81	16.5	9.9	16.5	15	6
SUN2000-17KTL	1	SUN2000 V100R001C 81	18.7	11.22	18.7	17	6
SUN2000-20KTL	0	SUN2000 V100R001C 81	22	13.2	22	20	6

Model	Model ID	Earliest Firm Version	$P_{max}$ (kW)	$Q_{max}$ (kVar)	$S_{max}$ (kVA)	$P_n$ (kW)	Number of PV Strings
SUN2000-22KTL-US	25	SUN2000 V200R001C02	22.2	14.64	24.4	22.2	6
SUN2000-23KTL	17	SUN2000 V100R001C81	23	13.8	23	23	6
SUN2000-24.5KTL	16	SUN2000 V100R001C81	24.5	14.7	24.5	24.5	6
SUN2000-24.7KTL-JP	32	SUN2000 V200R002C00	24.7	15	25	24.7	8
SUN2000-25KTL-US	21	SUN2000 V200R001C02	25	16.5	27.5	25	6
SUN2000-28KTL	18	SUN2000 V100R001C81	27.5	16.5	27.5	27.5	6
SUN2000-29.9KTL	60	SUN2000 V200R002C00	29.9	17.94	29.9	29.9	8
SUN2000-30KTL-US	22	SUN2000 V200R001C02	30	19.8	33	30	6
SUN2000-30KTL-A	23	SUN2000 V200R001C90	30	19.8	33	30	6
SUN2000-33KTL	19	SUN2000 V200R001C90	33	19.8	33	30	6
SUN2000-33KTL-A	43	SUN2000 V200R002C00	33	19.8	33	30	8
SUN2000-33KTL-E001	44	SUN2000 V200R001C90	30	19.8	33	30	6
SUN2000-33KTL-JP	28	SUN2000 V200R002C00	33.3	22.8	38	33.3	8

Model	Model ID	Earliest Firm Version	$P_{max}$ (kW)	$Q_{max}$ (kVar)	$S_{max}$ (kVA)	$P_n$ (kW)	Number of PV Strings
SUN2000-33KTL-US	36	SUN2000 V200R002C 20	36.6	21.96	36.6	33.3	8
SUN2000-40KTL	20	SUN2000 V200R001C 90	40	24	40	36	6
SUN2000-36KTL	27	SUN2000 V200R002C 00	40	24	40	36	8
SUN2000-36KTL-US	37	SUN2000 V200R002C 20	40	24	40	36	8
SUN2000-40KTL-JP	29	SUN2000 V200R002C 00	40	27.6	46	40	8
SUN2000-40KTL-US	35	SUN2000 V200R002C 20	44	26.4	44	40	8
SUN2000-42KTL	26	SUN2000 V200R002C 00	47	28.2	47	42	8
SUN2000-43KTL-IN-C1	31	SUN2000 V200R002C 00	52.5	31.5	52.5	43	8
SUN2000-45KTL-US-HV-D0	34	SUN2000HA V100R001C 00	50	30	50	45	8
SUN2000-50KTL	30	SUN2000 V200R002C 00	50.5	30.3	50.5	46	8
SUN2000-50KTL-C1	24	SUN2000 V200R002C 00	52.5	31.5	52.5	47.5	8
SUN2000-55KTL-HV-D1	38	SUN2000HA V100R001C 00	60	36	60	55	8
SUN2000-55KTL-IN-HV-D1	39	SUN2000HA V100R001C 00	66	39.6	66	55	8

Model	Model ID	Earliest Firm Version	$P_{\max}$ (kW)	$Q_{\max}$ (kVar)	$S_{\max}$ (kVA)	$P_n$ (kW)	Number of PV Strings
SUN2000-55KTL-HV-D1-001	40	SUN2000HA V100R001C00	66	39.6	66	55	8
SUN2000-60KTL-HV-D1	33	SUN2000HA V100R001C00	66	39.6	66	60	8
SUN2000-60KTL-HV-D1-001	41	SUN2000HA V100R001C00	66	39.6	66	60	8

 **NOTE**

The maximum active power ( $P_{\max}$ ), maximum reactive power ( $Q_{\max}$ ), maximum apparent power ( $S_{\max}$ ), and rated power ( $P_n$ ) of each model are for reference only. For details, see the corresponding model specifications.

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This chapter describes the solar inverter models that use the Modbus protocol and the earliest firmware version. When a host needs to connect to these solar inverters, ensure that the firmware version is correct.

## 1.1 Model Description

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Table 1-1 Supported models and firmware versions

Model	Model ID	Earliest Firm Version
SUN2000L-2KTL	305	SUN2000L V100R001C00
SUN2000-2KTL-L0	338	SUN2000L V100R001C00
SUN2000L-3KTL	304	SUN2000L V100R001C00
SUN2000L-3KTL-CN	310	SUN2000L V100R001C00
SUN2000L-3KTL-CN-4G	311	SUN2000L V100R001C00
SUN2000-3KTL-CNLO	334	SUN2000L V100R001C20
SUN2000-3KTL-L0	339	SUN2000L V100R001C00
SUN2000-3KTL-M0	410	SUN2000MA V100R001C00
SUN2000-3KTL-M1	424	SUN2000MA V100R001C00
SUN2000L-3.68KTL	303	SUN2000L V100R001C00
SUN2000-3.8KTL-USLO	318	SUN2000L V100R001C10
SUN2000-3.8KTL-USLO	319	SUN2000L V100R001C10
SUN2000L-4KTL	302	SUN2000L V100R001C00
SUN2000L-4KTL-CN	308	SUN2000L V100R001C00

Model	Model ID	Earliest Firm Version
SUN2000L-4KTL-CN-4G	309	SUN2000L V100R001C00
SUN2000-4KTL-CNLO	335	SUN2000L V100R001C20
SUN2000-4KTL-L0	340	SUN2000L V100R001C00
SUN2000-4KTL-M0	411	SUN2000MA V100R001C00
SUN2000-4KTL-M1	425	SUN2000MA V100R001C00
SUN2000L-4.125KTL-JP	331	SUN2000L V100R001C12
SUN2000L-4.6KTL	301	SUN2000L V100R001C00
SUN2000L-4.95KTL-JP	330	SUN2000L V100R001C12
SUN2000-4.95KTL-JPLO	342	SUN2000L V100R001C20
SUN2000L-5KTL	300	SUN2000L V100R001C00
SUN2000L-5KTL-CN	306	SUN2000L V100R001C00
SUN2000L-5KTL-CN-4G	307	SUN2000L V100R001C00
SUN2000-5KTL-USLO	315	SUN2000L V100R001C10
SUN2000-5KTL-USLO	316	SUN2000L V100R001C10
SUN2000-5KTL-CNLO	336	SUN2000L V100R001C20
SUN2000-5KTL-L0	341	SUN2000L V100R001C00
SUN2000-5KTL-M0	400	SUN2000MA V100R001C00
SUN2000-5KTL-M0	401	SUN2000MA V100R001C00
SUN2000-5KTL-M1	426	SUN2000MA V100R001C00
SUN2000-6KTL-CNLO	337	SUN2000L V100R001C20
SUN2000-6KTL-M0	402	SUN2000MA V100R001C00
SUN2000-6KTL-M0	403	SUN2000MA V100R001C00
SUN2000-6KTL-M1	427	SUN2000MA V100R001C00
SUN2000-7.6KTL-USLO	312	SUN2000L V100R001C10
SUN2000-7.6KTL-USLO	313	SUN2000L V100R001C10
SUN2000-8KTL-M0	404	SUN2000MA V100R001C00
SUN2000-8KTL-M0	405	SUN2000MA V100R001C00
SUN2000-8KTL	415	SUN2000MA V100R001C10
SUN2000-8KTL-M0	418	SUN2000MA V100R001C10
SUN2000-8KTL-M1	428	SUN2000MA V100R001C00

Model	Model ID	Earliest Firm Version
SUN2000-8KTL-M2	430	SUN2000MA V100R001C10
SUN2000-9KTL-USL0	324	SUN2000L V100R001C10
SUN2000-9KTL-USL0	325	SUN2000L V100R001C10
SUN2000-10KTL-USL0	332	SUN2000L V100R001C10
SUN2000-10KTL-USL0	333	SUN2000L V100R001C10
SUN2000-10KTL-M0	406	SUN2000MA V100R001C00
SUN2000-10KTL-M0	407	SUN2000MA V100R001C00
SUN2000-10KTL	416	SUN2000MA V100R001C10
SUN2000-10KTL-M0	419	SUN2000MA V100R001C10
SUN2000-10KTL-M1	429	SUN2000MA V100R001C00
SUN2000-10KTL-M2	431	SUN2000MA V100R001C10
SUN2000-11.4KTL-USL0	321	SUN2000L V100R001C10
SUN2000-11.4KTL-USL0	322	SUN2000L V100R001C10
SUN2000-12KTL-M0	408	SUN2000MA V100R001C00
SUN2000-12KTL	417	SUN2000MA V100R001C10
SUN2000-12KTL-M0	420	SUN2000MA V100R001C10
SUN2000-12KTL-M2	432	SUN2000MA V100R001C10
SUN2000-15KTL-M0	412	SUN2000MA V100R001C10
SUN2000-15KTL-M0	421	SUN2000MA V100R001C10
SUN2000-15KTL-M2	433	SUN2000MA V100R001C10
SUN2000-17KTL-M0	413	SUN2000MA V100R001C10
SUN2000-17KTL-M0	422	SUN2000MA V100R001C10
SUN2000-17KTL-M2	434	SUN2000MA V100R001C10
SUN2000-20KTL-M0	414	SUN2000MA V100R001C10
SUN2000-20KTL-M0	423	SUN2000MA V100R001C10
SUN2000-20KTL-M2	435	SUN2000MA V100R001C10
SUN2000-15KTL-M3	436	SUN2000MA V100R001C20
SUN2000-17KTL-M3	437	SUN2000MA V100R001C20
SUN2000-20KTL-M3	438	SUN2000MA V100R001C20
SUN2000-23KTL-M3	439	SUN2000MA V100R001C20

Model	Model ID	Earliest Firm Version
SUN2000-25KTL-NAM3	441	SUN2000MA V100R001C20
SUN2000-28KTL-M3	442	SUN2000MA V100R001C20
SUN2000-29.9KTL-M3	443	SUN2000MA V100R001C20
SUN2000-30KTL-M3	444	SUN2000MA V100R001C20
SUN2000-36KTL-M3	445	SUN2000MA V100R001C20
SUN2000-40KTL-M3	446	SUN2000MA V100R001C20
SUN2000-42KTL-M3	447	SUN2000MA V100R001C20
SUN2000-44KTL-M3	448	SUN2000MA V100R001C20
SUN2000-50KTL-M3	449	SUN2000MA V100R001C20
SUN2000-30KTL-NAM3	450	SUN2000MA V100R001C20
SUN2000-33KTL-NAM3	451	SUN2000MA V100R001C20
SUN2000-36KTL-NAM3	452	SUN2000MA V100R001C20
SUN2000-40KTL-NAM3	453	SUN2000MA V100R001C20
SUN2000-43KTL-INM3	454	SUN2000MA V100R001C20
SUN2000-20KTL-M3	457	SUN2000MA V100R001C20
SUN2000-29.9KTL-M3	458	SUN2000MA V100R001C20
SUN2000-30KTL-M3	459	SUN2000MA V100R001C20
SUN2000-36KTL-M3	460	SUN2000MA V100R001C20
SUN2000-40KTL-M3	461	SUN2000MA V100R001C20
SUN2000-30KTL-M3	462	SUN2000MA V100R001C20
SUN2000-12KTL-M1	463	SUN2000MA V100R001C00
SUN2000-50KTL-JPM1	59	SUN2000 V300R001C00
SUN2000-50KTL-M0	50	SUN2000 V300R001C00
SUN2000-50KTL-JPM0	53	SUN2000 V300R001C00
SUN2000-60KTL-M0	55	SUN2000 V300R001C00
SUN2000-63KTL-JPM0	51	SUN2000 V300R001C00
SUN2000-63KTL-JPH0	76	SUN2000HA V200R001C00
SUN2000-65KTL-M0	46	SUN2000 V300R001C00
SUN2000-70KTL-INM0	48	SUN2000 V300R001C00
SUN2000-70KTL-C1	45	SUN2000 V300R001C00



Model	Model ID	Earliest Firm Version
SUN2000-75KTL-C1	56	SUN2000 V300R001C00
SUN2000-90KTL-H1	73	SUN2000HA V200R001C00
SUN2000-95KTL-INH0	74	SUN2000HA V200R001C00
SUN2000-90KTL-H0	75	SUN2000HA V200R001C00
SUN2000-90KTL-H2	81	SUN2000HA V200R001C00
SUN2000-95KTL-INH1	82	SUN2000HA V200R001C00
SUN2000-100KTL-USH0	70	SUN2000HA V200R001C00
SUN2000-100KTL-H1	71	SUN2000HA V200R001C00
SUN2000-100KTL-H0	72	SUN2000HA V200R001C00
SUN2000-100KTL-H2	78	SUN2000HA V200R001C00
SUN2000-100KTL-M0	141	SUN2000 V500R001C00
SUN2000-100KTL-M1	142	SUN2000 V500R001C00
SUN2000-100KTL-INM0	143	SUN2000 V500R001C00
SUN2000-105KTL-H1	79	SUN2000HA V200R001C00
SUN2000-110KTL-M0	144	SUN2000 V500R001C00
SUN2000-125KTL-M0	145	SUN2000 V500R001C00
SUN2000-125KTL-JPH0	110	SUN2000HA V300R001C00
SUN2000-168KTL-H1	103	SUN2000HA V300R001C00
SUN2000-185KTL-INH0	102	SUN2000HA V300R001C00
SUN2000-175KTL-H0	101	SUN2000HA V300R001C00
SUN2000-185KTL-H1	104	SUN2000HA V300R001C00
SUN2000-193KTL-H0	105	SUN2000HA V300R001C00
SUN2000-196KTL-H0	106	SUN2000HA V300R001C00
SUN2000-200KTL-H2	108	SUN2000HA V300R001C00
SUN2000-215KTL-H0	109	SUN2000HA V300R001C00
SUN2000-196KTL-H3	111	SUN2000HA V300R001C00
SUN2000-200KTL-H3	112	SUN2000HA V300R001C00
SUN2000-215KTL-H3	113	SUN2000HA V300R001C00
SUN2000-111KTL-NHM0	146	SUN2000 V500R001C00
SUN2000-75KTL-M1	147	SUN2000 V500R001C00

Model	Model ID	Earliest Firm Version
SUN2000-125KTL-JPH1	114	SUN2000HA V300R001C00

 **NOTE**

The maximum active power ( $P_{max}$ ), maximum reactive power ( $Q_{max}$ ), and rated power ( $P_n$ ) corresponding to each model can be obtained from the register interface. The model ID is the unique code of the model.