



QUALIFIED GRID SUPPORT UTILITY INTERACTIVE INVERTERS AND CONTROLLERS AND EQUIPMENT FOR CUSTOMER SELF-SUPPLY SYSTEMS

(EQUIPMENT THAT MEETS CUSTOMER SELF-SUPPLY)

Last Updated: 01/19/2018

The Hawaiian Electric Companies released Grid Supportive Utility Interactive Inverter Certification Requirements which includes the Source Requirements Document Version 1.1 ('SRD Version 1.1') for UL 1741, Supplement SA. Inverter manufacturers must certify 'Grid Support Utility Interactive' inverters to SRD Version 1.1 by March 10, 2018 to remain qualified for installation on the islands of Oahu, Hawai'i, Maui, Molokai and Lanai

Technology Type	Manufacturer	HI SRD Certification	Model	Firmware
CSS System	Apparent Energy	Self Certification v1.1	SG424U HI 120VAC	313, Profile #12 ATIRA5488
CSS System	Delta Electronics	Self Certification v1.1	Solivia 3.0 NA G4 TL w/ Delta Gateway or SolarCity Gateway	FW MainPower:02.04.01
CSS System	Delta Electronics	Self Certification v1.1	Solivia 3.8 NA G4 TL w/ Delta Gateway or SolarCity Gateway	FW MainPower:02.04.01
CSS System	Delta Electronics	Self Certification v1.1	Solivia 5.2 NA G4 TL w/ Delta Gateway or SolarCity Gateway	FW MainPower:02.04.01
CSS System	Delta Electronics	Self Certification v1.1	Solivia 6.6 NA G4 TL w/ Delta Gateway or SolarCity Gateway	FW MainPower:02.04.01
CSS System	Delta Electronics	Self Certification v1.1	Solivia 7.6 NA G4 TL w/ Delta Gateway or SolarCity Gateway	FW MainPower:02.04.01
CSS System	Eguana Technologies	Self Certification v1.1	ACB05U-LP w/ E-Gear EMC	FW 6.170818
CSS System	Eguana Technologies	Self Certification v1.1	B5048US w/ E-Gear EMC	FW 6.170818
CSS System	Enphase Energy	Self Certification v1.1	IQ6-60-2-US w/ ENV- IQ-AM1-240 or X-IQ- AM1-240-B both with optional CT-200-SPLIT and disconnecting relay or contactor	HEI SRD 1.0 or higher Oahu-Maui-Hawaii CSS or Power Down, PD
CSS System	Enphase Energy	Self Certification v1.1	IQ6-60-5-US w/ ENV- IQ-AM1-240 or X-IQ- AM1-240-B both with optional CT-200-SPLIT and disconnecting relay or contactor	HEI SRD V 1.0 and higher, Oahu-Maui- Hawaii CSS or Power Down, PD

Technology Type	Manufacturer	HI SRD Certification	Model	Firmware
CSS System	Enphase Energy	Self Certification v1.1	IQ6-60-ACM-US w/ ENV-IQ-AM1-240 or X-IQ-AM1-240-B both with optional CT-200-SPLIT and disconnecting relay or contactor	HEI SRD V 1.0 and higher, Oahu-Maui-Hawaii CSS or Power Down, PD
CSS System	Enphase Energy	Self Certification v1.1	IQ6PLUS-72-2-US w/ ENV-IQ-AM1-240 or X-IQ-AM1-240-B both with optional CT-200-SPLIT and disconnecting relay or contactor	HEI SRD V 1.0 and higher, Oahu-Maui-Hawaii CSS or Power Down, PD
CSS System	Enphase Energy	Self Certification v1.1	IQ6PLUS-72-5-US w/ ENV-IQ-AM1-240 or X-IQ-AM1-240-B both with optional CT-200-SPLIT and disconnecting relay or contactor	HEI SRD V 1.0 and higher, Oahu-Maui-Hawaii CSS or Power Down, PD
CSS System	Enphase Energy	Self Certification v1.1	IQ6PLUS-72-ACM-US w/ ENV-IQ-AM1-240 or X-IQ-AM1-240-B both with optional CT-200-SPLIT and disconnecting relay or contactor	HEI SRD V 1.0 and higher, Oahu-Maui-Hawaii CSS or Power Down, PD
CSS System	Enphase Energy	Self Certification v1.1	S230-60-LL-2-US w/ a Envoy S ENV-S-AM1-120 or b) AC Combiner Box XAM1-120. Both with optional CT-200-SPLIT and a disconnecting relay or contactor supplied by others	HEI SRD V 1.0 and higher, Oahu-Maui-Hawai'i CSS or Power Down, PD
CSS System	Enphase Energy	Self Certification v1.1	S230-60-LL-5-US w/ a) Envoy S ENV-S-AM1-120 or b) AC Combiner Box XAM1-120. Both with optional CT-200-SPLIT and a disconnecting relay or contactor supplied by others	HEI SRD V 1.0 and higher, Oahu-Maui-Hawaii CSS or Power Down, PD
CSS System	Enphase Energy	Self Certification v1.1	S280-60-LL-2-US w/ a) Envoy S ENV-S-AM1-120 or b) AC Combiner Box XAM1-120. Both with optional CT-200-SPLIT and a disconnecting relay or contactor supplied by others	HEI SRD V 1.0 and higher, Oahu-Maui-Hawaii CSS or Power Down, PD
CSS System	Enphase Energy	Self Certification v1.1	S280-60-LL-5-US Envoy S ENV-S-AM1-120 or b) AC Combiner Box XAM1-120. Both with optional CT-200-SPLIT and a disconnecting relay or contactor supplied by others	HEI SRD V 1.0 and higher, Oahu-Maui-Hawaii CSS or Power Down, PD w/ a

Technology Type	Manufacturer	HI SRD Certification	Model	Firmware
CSS System	EnSync, Inc.	Hawaii SRD V 1.0	LCM-100ACPCU w/ EnSync DER Flex, Egaugé EG3000 series or equivalent and Continental Control Systems Accu-CT series or equivalent	FW DSP-1330, CPLD-130, Central DSP-1430 & Monitor:1320
CSS System	EnSync, Inc.	Hawaii SRD V 1.0	LCM-150ACPCU w/ EnSync DER Flex, Egaugé EG3000 series or equivalent and Continental Control Systems Accu-CT series or equivalent	FW DSP-1330, CPLD-130, Central DSP-1430 & Monitor:1320
CSS System	EnSync, Inc.	Hawaii SRD V 1.0	LCM-250ACPCU w/ EnSync DER Flex, Egaugé EG3000 series or equivalent and Continental Control Systems Accu-CT series or equivalent	FW DSP-1330, CPLD-130, Central DSP-1430 & Monitor:1320
CSS System	EnSync, Inc.	Hawaii SRD V 1.0	LCM-50ACPCU w/ EnSync DER Flex, Egaugé EG3000 series or equivalent and Continental Control Systems Accu-CT series or equivalent	FW DSP-1330, CPLD-130, Central DSP-1430 & Monitor:1320
CSS System	Fronius International GmbH	Hawaii SRD V 1.0	Primo 3.8-1 208-240 w/ Fronius Smart Meter	FW 0.3.8.2 or higher and Datamanager FW 3.7.2 or higher
CSS System	Fronius International GmbH	Hawaii SRD V 1.0	Primo 3.8-1 208-240 w/ JLM Energy Energizr 200	FW V1.1.1.0 or greater
CSS System	Fronius International GmbH	Hawaii SRD V 1.0	Primo 5.0-1 208-240 w/ Fronius Smart Meter	FW 0.3.8.2 or higher and Datamanager FW 3.7.2 or higher
CSS System	Fronius International GmbH	Hawaii SRD V 1.0	Primo 5.0-1 208-240 w/ JLM Energy Energizr 200	FW V1.1.1.0 or greater
CSS System	Fronius International GmbH	Hawaii SRD V 1.0	Primo 6.0-1 208-240 w/ Fronius Smart Meter	FW 0.3.8.2 or higher and Datamanager FW 3.7.2 or higher
CSS System	Fronius International GmbH	Hawaii SRD V 1.0	Primo 6.0-1 208-240 w/ JLM Energy Energizr 200	FW V1.1.1.0 or greater
CSS System	Fronius International GmbH	Hawaii SRD V 1.0	Primo 7.6-1 208-240 w/ Fronius Smart Meter	FW 0.3.8.2 or higher and Datamanager FW 3.7.2
CSS System	Fronius International GmbH	Hawaii SRD V 1.0	Primo 7.6-1 208-240 w/ JLM Energy Energizr 200	FW V1.1.1.0 or greater
CSS System	Fronius International GmbH	Hawaii SRD V 1.0	Primo 8.2-1 208-240 w/ Fronius Smart Meter	FW 0.3.8.2 or higher and Datamanager FW 3.7.2
CSS System	Fronius International GmbH	Hawaii SRD V 1.0	Symo 10.0-3 208-240 w/ Fronius Smart Meter	FW 0.3.7.0 or higher and Datamanager 3.7.2 or higher
CSS System	Fronius International GmbH	Hawaii SRD V 1.0	Symo 12.0-3 208-240 w/ Fronius Smart Meter	FW 0.3.7.0 or higher and Datamanager 3.7.2 or higher

Technology Type	Manufacturer	HI SRD Certification	Model	Firmware
CSS System	Fronius International GmbH	Hawaii SRD V 1.0	Symo 12.5-3 480 w/ Fronius Smart Meter	FW 0.3.7.0 or higher and Datamanager FW 3.7.2 or higher
CSS System	Fronius International GmbH	Hawaii SRD V 1.0	Symo 15.0-3 480 w/ Fronius Smart Meter	FW 0.3.7.0 or higher and Datamanager FW 3.7.2 or higher
CSS System	Fronius International GmbH	Hawaii SRD V 1.0	Symo 17.5-3 480 w/ Fronius Smart Meter	FW 0.3.7.0 or higher and Datamanager FW 3.7.2 or higher
CSS System	Fronius International GmbH	Hawaii SRD V 1.0	Symo 20.0-3 480 w/ Fronius Smart Meter	FW 0.3.7.0 or higher and Datamanager FW 3.7.2 or higher
CSS System	Fronius International GmbH	Hawaii SRD V 1.0	Symo 22.7-3 480 w/ Fronius Smart Meter	FW 0.3.7.0 or higher and Datamanager FW 3.7.2 or higher
CSS System	Fronius International GmbH	Hawaii SRD V 1.0	Symo 24.0-3 480 w/ Fronius Smart Meter	FW 0.3.7.0 or higher and Datamanager FW 3.7.2 or higher
CSS System	OutBack Power Technologies	Hawaii SRD V 1.0	FXR2524A	FW 001.006.063 or greater
CSS System	OutBack Power Technologies	Hawaii SRD V 1.0	FXR3048A	FW 001.006.063 or greater
CSS System	OutBack Power Technologies	Hawaii SRD V 1.0	Radian GS4048A	FW 001.006.063 or greater
CSS System	OutBack Power Technologies	Hawaii SRD V 1.0	Radian GS4048A w/ Sonnen ECO	FW 001.006.063 or greater
CSS System	OutBack Power Technologies	Hawaii SRD V 1.0	Radian GS8048A	FW 001.006.063 or greater
CSS System	OutBack Power Technologies	Hawaii SRD V 1.0	Radian GS8048A w/ Sonnen ECO	FW 001.006.063 or greater
CSS System	OutBack Power Technologies	Hawaii SRD V 1.0	VFXR3524A	FW 001.006.063 or greater
CSS System	OutBack Power Technologies	Hawaii SRD V 1.0	VFXR3648A	FW 001.006.063 or greater
CSS System	Pika Energy	Hawaii SRD V 1.0	X11402 w/ no additional equipment required	FW 11430
CSS System	Pika Energy	Hawaii SRD V 1.0	X11403 w/ no additional equipment required	FW 11430
CSS System	Pika Energy	Hawaii SRD V 1.0	X7601 w/ no additional equipment required	FW 11430
CSS System	Pika Energy	Hawaii SRD V 1.0	X7602 w/ no additional equipment required	FW 11430
CSS System	Pika Energy	Hawaii SRD V 1.0	X7603 w/ no additional equipment required	FW 11430
CSS System	SINEXCEL INC	Hawaii SRD V 1.0	PWS1-100K-NA	FW AC module DSP:1330, CPLD: 130, U2 DSP:1430, Monitor:1320
CSS System	SINEXCEL INC	Hawaii SRD V 1.0	PWS1-150K-NA	FW AC module DSP:1330, CPLD: 130, U2 DSP:1430, Monitor:1320

Technology Type	Manufacturer	HI SRD Certification	Model	Firmware
CSS System	SINEXCEL INC	Hawaii SRD V 1.0	PWS1-250K-NA	FW AC module DSP:1330, CPLD: 130, U2 DSP:1430, Monitor:1320
CSS System	SINEXCEL INC	Hawaii SRD V 1.0	PWS1-50K-NA	FW AC module DSP:1330, CPLD: 130, U2 DSP:1430, Monitor:1320
CSS System	SolarEdge	Hawaii SRD V 1.0	SE10000A- USXXXXXXX where X can be blank, letters a-z, or numbers 0-9, w/ SolarEdge Electricity Meter or 3rd party metering equipment	Firmware Version 2.52.410 and greater
CSS System	SolarEdge	Hawaii SRD V 1.0	SE10KUSXXXXXXX where X can be blank, letters a-z, or numbers 0-9, w/ SolarEdge Electricity Meter or 3rd party metering equipment	Firmware Version 2.19.759 and greater
CSS System	SolarEdge	Hawaii SRD V 1.0	SE11400A- USXXXXXXX where X can be blank, letters a-z, or numbers 0-9, w/ SolarEdge Electricity Meter or 3rd party metering equipment	Firmware Version 2.52.410 and greater
CSS System	SolarEdge	Hawaii SRD V 1.0	SE14.4KXXXXXXX where X can be blank, letters a-z, or numbers 0-9, w/ SolarEdge Electricity Meter or 3rd party metering equipment	Firmware Version 2.19.759 and greater
CSS System	SolarEdge	Hawaii SRD V 1.0	SE20KUSXXXXXXX where X can be blank, letters a-z, or numbers 0-9, w/ SolarEdge Electricity Meter or 3rd party metering equipment	Firmware Version 2.19.759 and greater
CSS System	SolarEdge	Hawaii SRD V 1.0	SE3000A-USXXXXXXX where X can be blank, letters a-z, or numbers 0-9, w/ SolarEdge Electricity Meter or 3rd party metering equipment	Firmware Version 2.52.410 and greater
CSS System	SolarEdge	Hawaii SRD V 1.0	SE3000H-USXXXXXXX w/ SolarEdge Electricity Meter or 3rd party metering equipment	Firmware Version 2.0.140 or greater
CSS System	SolarEdge	Hawaii SRD V 1.0	SE33.3KUSXXXXXXX where X can be blank, letters a-z, or numbers 0-9, w/ SolarEdge Electricity Meter or 3rd party metering equipment	Firmware Version 2.19.759 and greater

Technology Type	Manufacturer	HI SRD Certification	Model	Firmware
CSS System	SolarEdge	Hawaii SRD V 1.0	SE3800A-USXXXXXXX where X can be blank, letters a-z, or numbers 0-9, w/ SolarEdge Electricity Meter or 3rd party metering equipment	Firmware Version 2.52.410 and greater
CSS System	SolarEdge	Hawaii SRD V 1.0	SE3800H-USXXXXXXX w/ SolarEdge Electricity Meter or 3rd party metering equipment	Firmware Version 2.0.140 or greater
CSS System	SolarEdge	Hawaii SRD V 1.0	SE5000A-USXXXXXXX where X can be blank, letters a-z, or numbers 0-9, w/ SolarEdge Electricity Meter or 3rd party metering equipment	Firmware Version 2.52.410 and greater
CSS System	SolarEdge	Hawaii SRD V 1.0	SE5000H-USXXXXXXX w/ SolarEdge Electricity Meter or 3rd party metering equipment	Firmware Version 2.0.140 or greater
CSS System	SolarEdge	Hawaii SRD V 1.0	SE6000A-USXXXXXXX where X can be blank, letters a-z, or numbers 0-9, w/ SolarEdge Electricity Meter or 3rd party metering equipment	Firmware Version 2.0.140 and greater
CSS System	SolarEdge	Hawaii SRD V 1.0	SE6000H-USXXXXXXX w/ SolarEdge Electricity Meter or 3rd party metering equipment	Firmware Version 2.0.140 or greater
CSS System	SolarEdge	Hawaii SRD V 1.0	SE7600A-USXXXXXXX where X can be blank, letters a-z, or numbers 0-9, w/ SolarEdge Electricity Meter or 3rd party metering equipment	Firmware Version 2.52.410 and greater
CSS System	SolarEdge	Hawaii SRD V 1.0	SE7600H-USXXXXXXX w/ SolarEdge Electricity Meter or 3rd party metering equipment	Firmware Version 2.0.140 or greater
CSS System	SolarEdge	Hawaii SRD V 1.0	SE9KUSXXXXXXX where X can be blank, letters a-z, or numbers 0-9, w/ SolarEdge Electricity Meter or 3rd party metering equipment	Firmware Version 2.19.759 and greater
CSS System	Tabuchi Electric Co.	Hawaii SRD V 1.0	THD-S55P3B-US w/ EIBS	Firmware Version 4.10, Service Mode "HECO"
CSS System	Tabuchi Electric Co.	Hawaii SRD V 1.0	THD-S55P3BB-US w/EIBS	Firmware Version 4.10, Service Mode "HECO"

Technology Type	Manufacturer	HI SRD Certification	Model	Firmware
CSS System	Tesla	Hawaii SRD V 1.1	1092170-xx-y (AC Powerwall 2) w/ Tesla Backup Gateway (1118431-xx-y) or Tesla Gateway (1099752-xx-y)	FW 926d037 Country codes: HI14H-Oahu, HI14H-Hawaii, HI14H-Maui, HI14H-Lanai or HI14H-Molokai
CSS System	Tesla	Self Certification v1.1	1095371-xx-y (Powerpack 2) w /SEL-3505 (RTAC)	FW C8cd4d8 Country Codes 60Hz_480V_3_HI14H: 2016_Oahu, 60Hz_480V_3_HI14H: 2016_Lanai



QUALIFIED GRID SUPPORT UTILITY INTERACTIVE INVERTERS AND CONTROLLERS MEETING MANDATORY FUNCTIONS SPECIFIED IN RULE 14H

(EQUIPMENT THAT MEETS CUSTOMER GRID-SUPPLY AND STANDARD INTERCONNECTION AGREEMENT (SIA))

Last Updated: 01/19/2018

The Hawaiian Electric Companies released Grid Supportive Utility Interactive Inverter Certification Requirements which includes the Source Requirements Document Version 1.1 ('SRD Version 1.1') for UL 1741, Supplement SA. Inverter manufacturers must certify 'Grid Support Utility Interactive' inverters to SRD Version 1.1 by March 10, 2018 to remain qualified for installation on the islands of Oahu, Hawai'i, Maui, Molokai and Lanai

Technology Type	Manufacturer	HI SRD Certification	Model	Firmware
Inverter	Apparent Energy	Self Certification v1.1	SG424U HI 120VAC	313, Profile #12 ATIRA5488
Inverter	Delta Electronics	Self Certification v1.1	M60U_120	Firmware Verison: DSP: V01.3X, AFCI: V01.0X
Inverter	Delta Electronics	Self Certification v1.1	M60U_121	Firmware Verison: DSP: V01.3X, AFCI: V01.0X
Inverter	Delta Electronics	Self Certification v1.1	M60U_122	Firmware Verison: DSP: V01.3X, AFCI: V01.0X
Inverter	Delta Electronics	Self Certification v1.1	M80U_120	Firmware Verison: DSP: V01.3X, AFCI: V01.0X
Inverter	Delta Electronics	Self Certification v1.1	M80U_121	Firmware Verison: DSP: V01.3X, AFCI: V01.0X
Inverter	Delta Electronics	Self Certification v1.1	M80U_122	Firmware Verison: DSP: V01.3X, AFCI: V01.0X
Inverter	Delta Electronics	Self Certification v1.1	Solivia 3.0 NA G4 TL	FW MainPower:02.04.01
Inverter	Delta Electronics	Self Certification v1.1	Solivia 3.8 NA G4 TL	FW MainPower:02.04.01
Inverter	Delta Electronics	Self Certification v1.1	Solivia 5.2 NA G4 TL	FW MainPower:02.04.01
Inverter	Delta Electronics	Self Certification v1.1	Solivia 6.6 NA G4 TL	FW MainPower:02.04.01
Inverter	Delta Electronics	Self Certification v1.1	Solivia 7.6 NA G4 TL	FW MainPower:02.04.01
Inverter	Eguana Technologies	Self Certification v1.1	ACB05U-LP	FW 6.170818
Inverter	Eguana Technologies	Self Certification v1.1	B5048US	FW 6.170818
Inverter	Enphase Energy	Self Certification v1.1	IQ6-60-2-US may have additional suffixes	HEI SRD V 1.0 and higher, Oahu-Maui- Hawaii CGS or Power Down, PD

Technology Type	Manufacturer	HI SRD Certification	Model	Firmware
Inverter	Enphase Energy	Self Certification v1.1	IQ6-60-5-US may have additional suffixes	HEI SRD V 1.0 and higher, Oahu-Maui-Hawaii CGS or Power Down, PD
Inverter	Enphase Energy	Self Certification v1.1	IQ6-60-ACM-US	HEI SRD V 1.0 and higher, Oahu-Maui-Hawaii CGS or Power Down, PD
Inverter	Enphase Energy	Self Certification v1.1	IQ6PLUS-72-2-US may have additional suffixes	HEI SRD V 1.0 and higher, Oahu-Maui-Hawaii CGS or Power Down, PD
Inverter	Enphase Energy	Self Certification v1.1	IQ6PLUS-72-5-US may have additional suffixes	HEI SRD V 1.0 and higher, Oahu-Maui-Hawaii CGS or Power Down, PD
Inverter	Enphase Energy	Self Certification v1.1	IQ6PLUS-72-ACM-US	HEI SRD V 1.0 and higher, Oahu-Maui-Hawaii CGS or Power Down, PD
Inverter	Enphase Energy	Self Certification v1.1	S230-60-LL-2-US	HEI SRD V 1.0 and higher, Oahu-Maui-Hawai'i CGS or Power Down, PD
Inverter	Enphase Energy	Self Certification v1.1	S230-60-LL-5-US	HEI SRD V 1.0 and higher, Oahu-Maui-Hawaii CGS or Power Down, PD
Inverter	Enphase Energy	Self Certification v1.1	S280-60-LL-2-US	HEI SRD V 1.0 and higher, Oahu-Maui-Hawaii CGS or Power Down, PD
Inverter	Enphase Energy	Self Certification v1.1	S280-60-LL-5-US	HEI SRD V 1.0 and higher, Oahu-Maui-Hawaii CGS or Power Down, PD
Inverter	EnSync, Inc.	Hawaii SRD V 1.0	LCM-100ACPCU	FW DSP-1330, CPLD-130, Central DSP-1430 & Monitor:1320
Inverter	EnSync, Inc.	Hawaii SRD V 1.0	LCM-150ACPCU	FW DSP-1330, CPLD-130, Central DSP-1430 & Monitor:1320
Inverter	EnSync, Inc.	Hawaii SRD V 1.0	LCM-250ACPCU	FW DSP-1330, CPLD-130, Central DSP-1430 & Monitor:1320
Inverter	EnSync, Inc.	Hawaii SRD V 1.0	LCM-50ACPCU	FW DSP-1330, CPLD-130, Central DSP-1430 & Monitor:1320
Inverter	Fronius International GmbH	Hawaii SRD V 1.0	Primo 3.8-1 208-240	FW V1.1.1.0 or greater
Inverter	Fronius International GmbH	Hawaii SRD V 1.0	Primo 5.0-1 208-240	FW V1.1.1.0 or greater
Inverter	Fronius International GmbH	Hawaii SRD V 1.0	Primo 6.0-1 208-240	FW V1.1.1.0 or greater
Inverter	Fronius International GmbH	Hawaii SRD V 1.0	Primo 7.6-1 208-240	FW V1.1.1.0 or greater
Inverter	Fronius International GmbH	Hawaii SRD V 1.0	Primo 8.2-1 208-240	FW V1.1.1.0 or greater
Inverter	Fronius International GmbH	Hawaii SRD V 1.0	Symo 10.0-3 208-240	FW V1.1.3.0 or greater

Technology Type	Manufacturer	HI SRD Certification	Model	Firmware
Inverter	Fronius International GmbH	Hawaii SRD V 1.0	Symo 10.0-3 208-240 Lite	FW V1.1.3.0 or greater
Inverter	Fronius International GmbH	Hawaii SRD V 1.0	Symo 10.0-3 480	FW V1.1.5.1 or greater
Inverter	Fronius International GmbH	Hawaii SRD V 1.0	Symo 10.0-3 480 Lite	FW V1.1.5.1 or greater
Inverter	Fronius International GmbH	Hawaii SRD V 1.0	Symo 12.0-3 208-240, 208V	FW V1.1.3.0 or greater
Inverter	Fronius International GmbH	Hawaii SRD V 1.0	Symo 12.0-3 208-240, 240V	FW V1.1.3.0
Inverter	Fronius International GmbH	Hawaii SRD V 1.0	Symo 12.5-3 480	FW V1.1.5.1 or greater
Inverter	Fronius International GmbH	Hawaii SRD V 1.0	Symo 12.5-3 480 Lite	FW V1.1.5.1 or greater
Inverter	Fronius International GmbH	Hawaii SRD V 1.0	Symo 15.0-3 480	FW V1.1.5.1 or greater
Inverter	Fronius International GmbH	Hawaii SRD V 1.0	Symo 15.0-3 480 Lite	FW V1.1.5.1 or greater
Inverter	Fronius International GmbH	Hawaii SRD V 1.0	Symo 17.5-3 480	FW V1.1.5.1 or greater
Inverter	Fronius International GmbH	Hawaii SRD V 1.0	Symo 17.5-3 480 Lite	FW V1.1.5.1 or greater
Inverter	Fronius International GmbH	Hawaii SRD V 1.0	Symo 20.0-3 480	FW V1.1.5.1 or greater
Inverter	Fronius International GmbH	Hawaii SRD V 1.0	Symo 20.0-3 480 Lite	FW V1.1.5.1 or greater
Inverter	Fronius International GmbH	Hawaii SRD V 1.0	Symo 22.7-3 480	FW V1.1.5.1 or greater
Inverter	Fronius International GmbH	Hawaii SRD V 1.0	Symo 22.7-3 480 Lite	FW V1.1.5.1 or greater
Inverter	Fronius International GmbH	Hawaii SRD V 1.0	Symo 24.0-3 480	FW V1.1.5.1 or greater
Inverter	Fronius International GmbH	Hawaii SRD V 1.0	Symo 24.0-3 480 Lite	FW V1.1.5.1 or greater
Inverter	OutBack Power Technologies	Hawaii SRD V 1.0	FXR2524A	FW 001.006.063 or greater
Inverter	OutBack Power Technologies	Hawaii SRD V 1.0	FXR3048A	FW 001.006.063 or greater
Inverter	OutBack Power Technologies	Hawaii SRD V 1.0	Radian GS4048A	FW 001.006.063 or greater
Inverter	OutBack Power Technologies	Hawaii SRD V 1.0	Radian GS8048A	FW 001.006.063 or greater
Inverter	OutBack Power Technologies	Hawaii SRD V 1.0	VFXR3524A	FW 001.006.063 or greater
Inverter	OutBack Power Technologies	Hawaii SRD V 1.0	VFXR3648A	FW 001.006.063 or greater
Inverter	Pika Energy	Hawaii SRD V 1.0	X11402	FW 11430
Inverter	Pika Energy	Hawaii SRD V 1.0	X11403	FW 11430
Inverter	Pika Energy	Hawaii SRD V 1.0	X7601	FW 11430
Inverter	Pika Energy	Hawaii SRD V 1.0	X7602	FW 11430
Inverter	Pika Energy	Hawaii SRD V 1.0	X7603	FW 11430
Inverter	SINEXCEL INC	Hawaii SRD V 1.0	PWS1-100K-NA	FW AC module DSP:1330, CPLD: 130, U2 DSP:1430, Monitor:1320

Technology Type	Manufacturer	HI SRD Certification	Model	Firmware
Inverter	SINEXCEL INC	Hawaii SRD V 1.0	PWS1-150K-NA	FW AC module DSP:1330, CPLD: 130, U2 DSP:1430, Monitor:1320
Inverter	SINEXCEL INC	Hawaii SRD V 1.0	PWS1-250K-NA	FW AC module DSP:1330, CPLD: 130, U2 DSP:1430, Monitor:1320
Inverter	SINEXCEL INC	Hawaii SRD V 1.0	PWS1-50K-NA	FW AC module DSP:1330, CPLD: 130, U2 DSP:1430, Monitor:1320
Inverter	SMA America, LLC	Self Certification v1.1	SB 3.0-1SP-US-40	FW 02.03.01.R or higher
Inverter	SMA America, LLC	Self Certification v1.1	SB 3.8-1SP-US-40	FW 02.03.01.R or higher
Inverter	SMA America, LLC	Self Certification v1.1	SB 5.0-1SP-US-40	FW 02.03.01.R or higher
Inverter	SMA America, LLC	Self Certification v1.1	SB 6.0-1SP-US-40	FW 02.03.01.R or higher
Inverter	SMA America, LLC	Self Certification v1.1	SB 7.0-1SP-US-40	FW 02.03.01.R or higher
Inverter	SMA America, LLC	Self Certification v1.1	SB 7.7-1SP-US-40	FW 02.03.01.R or higher
Inverter	SMA America, LLC	Self Certification v1.1	STP 12000TL-US-10	Firmware 2.83.03.R or higher
Inverter	SMA America, LLC	Self Certification v1.1	STP 15000TL-US-10	Firmware 2.83.03.R or higher
Inverter	SMA America, LLC	Self Certification v1.1	STP 20000TL-US-10	Firmware 2.83.03.R or higher
Inverter	SMA America, LLC	Self Certification v1.1	STP 24000TL-US-10	Firmware 2.83.03.R or higher
Inverter	SMA America, LLC	Self Certification v1.1	STP30000TL-US-10	Firmware 2.83.03.R or higher
Inverter	SMA America, LLC	Self Certification v1.1	STP50-US-40	Firmware Version 01.01.19.R or higher
Inverter	SolarEdge	Hawaii SRD V 1.0	SE10000A-USXXXXXXX where X can be blank, letters a-z, or numbers 0-9	Firmware Version 2.52.410 and greater
Inverter	SolarEdge	Hawaii SRD V 1.0	SE10KUSXXXXXXX where X can be blank, letters a-z, or numbers 0-9	Firmware Version 2.19.759 and greater
Inverter	SolarEdge	Hawaii SRD V 1.0	SE11400A-USXXXXXXX where X can be blank, letters a-z, or numbers 0-9	Firmware Version 2.52.410 and greater
Inverter	SolarEdge	Hawaii SRD V 1.0	SE14.4KXXXXXXX where X can be blank, letters a-z, or numbers 0-9	Firmware Version 2.19.759 and greater
Inverter	SolarEdge	Hawaii SRD V 1.0	SE20KUSXXXXXXX where X can be blank, letters a-z, or numbers 0-9	Firmware Version 2.19.759 and greater
Inverter	SolarEdge	Hawaii SRD V 1.0	SE3000A-USXXXXXXX where X can be blank, letters a-z, or numbers 0-9	Firmware Version 2.52.410 and greater

Technology Type	Manufacturer	HI SRD Certification	Model	Firmware
Inverter	SolarEdge	Hawaii SRD V 1.0	SE3000H-USXXXXXXX	Firmware Version 2.0.140 or greater
Inverter	SolarEdge	Hawaii SRD V 1.0	SE33.3KXXXXXXX where X can be blank, letters a-z, or numbers 0-9	Firmware Version 2.19.759 and greater
Inverter	SolarEdge	Hawaii SRD V 1.0	SE3800A-USXXXXXXX where X can be blank, letters a-z, or numbers 0-9	Firmware Version 2.52.410 and greater
Inverter	SolarEdge	Hawaii SRD V 1.0	SE3800H-USXXXXXXX	Firmware Version 2.0.140 or greater
Inverter	SolarEdge	Hawaii SRD V 1.0	SE5000A-USXXXXXXX where X can be blank, letters a-z, or numbers 0-9	Firmware Version 2.52.410 and greater
Inverter	SolarEdge	Hawaii SRD V 1.0	SE5000H-USXXXXXXX	Firmware Version 2.0.140 or greater
Inverter	SolarEdge	Hawaii SRD V 1.0	SE6000A-USXXXXXXX where X can be blank, letters a-z, or numbers 0-9	Firmware Version 2.52.410 and greater
Inverter	SolarEdge	Hawaii SRD V 1.0	SE6000H-USXXXXXXX	Firmware Version 2.0.140 or greater
Inverter	SolarEdge	Hawaii SRD V 1.0	SE7600A-USXXXXXXX where X can be blank, letters a-z, or numbers 0-9	Firmware Version 2.52.410 and greater
Inverter	SolarEdge	Hawaii SRD V 1.0	SE7600H-USXXXXXXX	Firmware Version 2.0.140 or greater
Inverter	SolarEdge	Hawaii SRD V 1.0	SE9KUSXXXXXXX where X can be blank, letters a-z, or numbers 0-9, w/ SolarEdge Electricity Meter or 3rd party metering equipment	Firmware Version 2.19.759 and greater
Inverter	Tabuchi Electric Co.	Hawaii SRD V 1.0	THD-S5P3B-US	Firmware Version 4.10, Service Mode "HECO"
Inverter	Tabuchi Electric Co.	Hawaii SRD V 1.0	THD-S5P3BB-US	Firmware Version 4.10, Service Mode "HECO"
Inverter	Tesla	Hawaii SRD V 1.1	1092170-xx-y (AC Powerwall 2)	FW 926d037 Country codes: HI14H-Oahu, HI14H-Hawaii, HI14H-Maui, HI14H-Lanai or HI14H-Molokai
Inverter	Tesla	Self Certification v1.1	1095371-xx-y (Powerpack 2)	FW C8cd4d8 Country Codes 60Hz_480V_3_HI14H: 2016_Oahu, 60Hz_480V_3_HI14H: 2016_Lanai