i36 String Optimizer

750V Systems (-0.914 A/V slope)

maximum output **36A**

Vxxx-i36-36 (-0.914 A/V) models		V625	V650	V675	V700	V725	V750
Electrical							
Input							
Maximum voltage per input	V	750	750	750	750	750	750
Maximum current (Imp) per input	A	36	36	36	36	36	36
Maximum short-circuit current (Isc) per input	A	39	39	39	39	39	39
MPP tracking voltage range	V	300 - 750	300 - 750	300 - 750	300 - 750	300 - 750	300 - 750
Startup voltage per input	V	390	390	390	390	390	390
Number of inputs		2	2	2	2	2	2
Output							
Output voltage range	V	0 - 625	0 - 650	0 - 675	0 - 700	0 - 725	0 - 750
Maximum output voltage at full power	V	590	615	640	665	690	715
Output voltage at zero power	V	625	650	675	700	725	750
Maximum output current	A	36	36	36	36	36	36
Maximum continuous output power	kWdc	21.0	21.9	22.8	23.7	24.6	25.5
Efficiency (max / CEC / Euro)	%	99.2 / 99.1 / 98.9					
Mechanical							
Input & output connector		Stäubli MC4-Evo 2					
Dimensions		20.18" x 9.45" x 4.26" (513 mm x 240 mm x 108 mm)					
Weight		22.6 lbs. (10.25 kg)					
Ambient temperature operating range		-40 °F – 131 °F (-40 °C – 55 °C)					
Cooling		Convection					
Environmental							
Environmental category		Outdoor					
Pollution degree		2					
Maximum operating altitude		9843 ft (3000 m)					
Overvoltage category		OVII					
Ingress protection		IP67 / NEMA 6					
General							
Compliance (pending)		ETL to UL 1741; IEC 61000-6-1, 61000-6-3, 62109; CE; Giteki 2-1-19; FCC Part 15, class A					

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i36 String Optimizer

750V Systems (-0.914 A/V slope)

maximum output **32A**

Vxxx-i36-32 (-0.914 A/V) models		V625	V650	V675	V700	V725	V750
Electrical							
Input							
Maximum voltage per input	V	750	750	750	750	750	750
Maximum current (Imp) per input	A	32	32	32	32	32	32
Maximum short-circuit current (Isc) per input	A	35	35	35	35	35	35
MPP tracking voltage range	V	300 - 750	300 - 750	300 - 750	300 - 750	300 - 750	300 - 750
Startup voltage per input	V	390	390	390	390	390	390
Number of inputs		2	2	2	2	2	2
Output							
Output voltage range	V	0 - 625	0 - 650	0 - 675	0 - 700	0 - 725	0 - 750
Maximum output voltage at full power	V	590	615	640	665	690	715
Output voltage at zero power	V	625	650	675	700	725	750
Maximum output current	A	32	32	32	32	32	32
Maximum continuous output power	kWdc	18.8	19.6	20.4	21.2	22.0	22.8
Efficiency (max / CEC / Euro)	%	99.2 / 99 / 98.9					
Mechanical							
Input & output connector		Stäubli MC4-Evo 2					
Dimensions		20.18" x 9.45" x 4.26" (513 mm x 240 mm x 108 mm)					
Weight		22.6 lbs. (10.25 kg)					
Ambient temperature operating range		-40 °F – 131 °F (-40 °C – 55 °C)					
Cooling		Convection					
Environmental							
Environmental category		Outdoor					
Pollution degree		2					
Maximum operating altitude		9843 ft (3000 m)					
Overvoltage category		OVII					
Ingress protection		IP67 / NEMA 6					
General							
Compliance (pending)		ETL to UL 1741; IEC 61000-6-1, 61000-6-3, 62109; CE; Giteki 2-1-19; FCC Part 15, class A					

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i36 String Optimizer

750V Systems (-0.914 A/V slope)

maximum output **30A**

Vxxx-i36-30 (-0.914 A/V) models		V625	V650	V675	V700	V725	V750
Electrical							
Input							
Maximum voltage per input	V	750	750	750	750	750	750
Maximum current (Imp) per input	A	30	30	30	30	30	30
Maximum short-circuit current (Isc) per input	A	33	33	33	33	33	33
MPP tracking voltage range	V	300 - 750	300 - 750	300 - 750	300 - 750	300 - 750	300 - 750
Startup voltage per input	V	390	390	390	390	390	390
Number of inputs		2	2	2	2	2	2
Output							
Output voltage range	V	0 - 625	0 - 650	0 - 675	0 - 700	0 - 725	0 - 750
Maximum output voltage at full power	V	595	620	645	670	695	720
Output voltage at zero power	V	625	650	675	700	725	750
Maximum output current	A	30	30	30	30	30	30
Maximum continuous output power	kWdc	17.7	18.5	19.2	20.0	20.7	21.5
Efficiency (max / CEC / Euro)	%	99.2 / 99 / 98.8					
Mechanical							
Input & output connector		Stäubli MC4-Evo 2					
Dimensions		20.18" x 9.45" x 4.26" (513 mm x 240 mm x 108 mm)					
Weight		22.6 lbs. (10.25 kg)					
Ambient temperature operating range		-40 °F – 131 °F (-40 °C – 55 °C)					
Cooling		Convection					
Environmental							
Environmental category		Outdoor					
Pollution degree		2					
Maximum operating altitude		9843 ft (3000 m)					
Overvoltage category		OVII					
Ingress protection		IP67 / NEMA 6					
General							
Compliance (pending)		ETL to UL 1741; IEC 61000-6-1, 61000-6-3, 62109; CE; Giteki 2-1-19; FCC Part 15, class A					

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750V Systems (-0.914 A/V slope)

maximum output **28A**

Vxxx-i36-28 (-0.914 A/V) models		V625	V650	V675	V700	V725	V750
Electrical							
Input							
Maximum voltage per input	V	750	750	750	750	750	750
Maximum current (Imp) per input	A	28	28	28	28	28	28
Maximum short-circuit current (Isc) per input	A	31	31	31	31	31	31
MPP tracking voltage range	V	300 - 750	300 - 750	300 - 750	300 - 750	300 - 750	300 - 750
Startup voltage per input	V	390	390	390	390	390	390
Number of inputs		2	2	2	2	2	2
Output							
Output voltage range	V	0 - 625	0 - 650	0 - 675	0 - 700	0 - 725	0 - 750
Maximum output voltage at full power	V	595	620	645	670	695	720
Output voltage at zero power	V	625	650	675	700	725	750
Maximum output current	A	28	28	28	28	28	28
Maximum continuous output power	kWdc	16.6	17.3	18.0	18.7	19.4	20.1
Efficiency (max / CEC / Euro)	%	99.2 / 99 / 98.8					
Mechanical							
Input & output connector		Stäubli MC4-Evo 2					
Dimensions		20.18" x 9.45" x 4.26" (513 mm x 240 mm x 108 mm)					
Weight		22.6 lbs. (10.25 kg)					
Ambient temperature operating range		-40 °F – 131 °F (-40 °C – 55 °C)					
Cooling		Convection					
Environmental							
Environmental category		Outdoor					
Pollution degree		2					
Maximum operating altitude		9843 ft (3000 m)					
Overvoltage category		OVII					
Ingress protection		IP67 / NEMA 6					
General							
Compliance (pending)		ETL to UL 1741; IEC 61000-6-1, 61000-6-3, 62109; CE; Giteki 2-1-19; FCC Part 15, class A					

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750V Systems (-0.914 A/V slope)

maximum output **25A**

Vxxx-i36-25 (-0.914 A/V) models		V625	V650	V675	V700	V725	V750
Electrical							
Input							
Maximum voltage per input	V	750	750	750	750	750	750
Maximum current (Imp) per input	A	25	25	25	25	25	25
Maximum short-circuit current (Isc) per input	A	27	27	27	27	27	27
MPP tracking voltage range	V	300 - 750	300 - 750	300 - 750	300 - 750	300 - 750	300 - 750
Startup voltage per input	V	390	390	390	390	390	390
Number of inputs		2	2	2	2	2	2
Output							
Output voltage range	V	0 - 625	0 - 650	0 - 675	0 - 700	0 - 725	0 - 750
Maximum output voltage at full power	V	600	625	650	675	700	725
Output voltage at zero power	V	625	650	675	700	725	750
Maximum output current	A	25	25	25	25	25	25
Maximum continuous output power	kWdc	14.9	15.5	16.1	16.8	17.4	18.0
Efficiency (max / CEC / Euro)	%	99.2 / 99 / 98.8					
Mechanical							
Input & output connector		Stäubli MC4-Evo 2					
Dimensions		20.18" x 9.45" x 4.26" (513 mm x 240 mm x 108 mm)					
Weight		22.6 lbs. (10.25 kg)					
Ambient temperature operating range		-40 °F – 131 °F (-40 °C – 55 °C)					
Cooling		Convection					
Environmental							
Environmental category		Outdoor					
Pollution degree		2					
Maximum operating altitude		9843 ft (3000 m)					
Overvoltage category		OVII					
Ingress protection		IP67 / NEMA 6					
General							
Compliance (pending)		ETL to UL 1741; IEC 61000-6-1, 61000-6-3, 62109; CE; Giteki 2-1-19; FCC Part 15, class A					

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i36 String Optimizer

750V Systems (-0.914 A/V slope)

maximum output 24A

Vxxx-i36-24 (-0.914 A/V) models		V625	V650	V675	V700	V725	V750
Electrical							
Input							
Maximum voltage per input	V	750	750	750	750	750	750
Maximum current (Imp) per input	A	24	24	24	24	24	24
Maximum short-circuit current (Isc) per input	A	26	26	26	26	26	26
MPP tracking voltage range	V	300 - 750	300 - 750	300 - 750	300 - 750	300 - 750	300 - 750
Startup voltage per input	V	390	390	390	390	390	390
Number of inputs		2	2	2	2	2	2
Output							
Output voltage range	V	0 - 625	0 - 650	0 - 675	0 - 700	0 - 725	0 - 750
Maximum output voltage at full power	V	600	625	650	675	700	725
Output voltage at zero power	V	625	650	675	700	725	750
Maximum output current	A	24	24	24	24	24	24
Maximum continuous output power	kWdc	14.3	14.9	15.5	16.1	16.7	17.3
Efficiency (max / CEC / Euro)	%	99.2 / 99 / 98.8					
Mechanical							
Input & output connector		Stäubli MC4-Evo 2					
Dimensions		20.18" x 9.45" x 4.26" (513 mm x 240 mm x 108 mm)					
Weight		22.6 lbs. (10.25 kg)					
Ambient temperature operating range		-40 °F – 131 °F (-40 °C – 55 °C)					
Cooling		Convection					
Environmental							
Environmental category		Outdoor					
Pollution degree		2					
Maximum operating altitude		9843 ft (3000 m)					
Overvoltage category		OVII					
Ingress protection		IP67 / NEMA 6					
General							
Compliance (pending)		ETL to UL 1741; IEC 61000-6-1, 61000-6-3, 62109; CE; Giteki 2-1-19; FCC Part 15, class A					

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750V Systems (-0.914 A/V slope)

maximum output **20A**

Vxxx-i36-20 (-0.914 A/V) models		V625	V650	V675	V700	V725	V750
Electrical							
Input							
Maximum voltage per input	V	750	750	750	750	750	750
Maximum current (Imp) per input	A	20	20	20	20	20	20
Maximum short-circuit current (Isc) per input	A	22	22	22	22	22	22
MPP tracking voltage range	V	300 - 750	300 - 750	300 - 750	300 - 750	300 - 750	300 - 750
Startup voltage per input	V	390	390	390	390	390	390
Number of inputs		2	2	2	2	2	2
Output							
Output voltage range	V	0 - 625	0 - 650	0 - 675	0 - 700	0 - 725	0 - 750
Maximum output voltage at full power	V	605	630	655	680	705	730
Output voltage at zero power	V	625	650	675	700	725	750
Maximum output current	A	20	20	20	20	20	20
Maximum continuous output power	kWdc	12.0	12.5	13.0	13.5	14.0	14.5
Efficiency (max / CEC / Euro)	%	99.2 / 98.9 / 98.7					
Mechanical							
Input & output connector		Stäubli MC4-Evo 2					
Dimensions		20.18" x 9.45" x 4.26" (513 mm x 240 mm x 108 mm)					
Weight		22.6 lbs. (10.25 kg)					
Ambient temperature operating range		-40 °F – 131 °F (-40 °C – 55 °C)					
Cooling		Convection					
Environmental							
Environmental category		Outdoor					
Pollution degree		2					
Maximum operating altitude		9843 ft (3000 m)					
Overvoltage category		OVII					
Ingress protection		IP67 / NEMA 6					
General							
Compliance (pending)		ETL to UL 1741; IEC 61000-6-1, 61000-6-3, 62109; CE; Giteki 2-1-19; FCC Part 15, class A					

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