i36 String Optimizer

600V Systems (-0.914 A/V slope)

maximum output **36A**

Vxxx-i36-36 (-0.914 A/V) models		V525	V550	V575	V600
Electrical					
Input					
Maximum voltage per input	V	600	600	600	600
Maximum current (Imp) per input	A	36	36	36	36
Maximum short-circuit current (Isc) per input	A	39	39	39	39
MPP tracking voltage range	V	300 - 600	300 - 600	300 - 600	300 - 600
Startup voltage per input	V	390	390	390	390
Number of inputs		2	2	2	2
Output					
Output voltage range	V	0 - 525	0 - 550	0 - 575	0 - 600
Maximum output voltage at full power	V	490	515	540	565
Output voltage at zero power	V	525	550	575	600
Maximum output current	A	36	36	36	36
Maximum continuous output power	kWdc	17.4	18.3	19.2	20.1
Efficiency (max / CEC / Euro)	%	99.3 / 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

600V Systems (-0.914 A/V slope)

maximum output **32A**

Vxxx-i36-32 (-0.914 A/V) models		V525	V550	V575	V600
Electrical					
Input					
Maximum voltage per input	V	600	600	600	600
Maximum current (Imp) per input	A	32	32	32	32
Maximum short-circuit current (Isc) per input	A	35	35	35	35
MPP tracking voltage range	V	300 - 600	300 - 600	300 - 600	300 - 600
Startup voltage per input	V	390	390	390	390
Number of inputs		2	2	2	2
Output					
Output voltage range	V	0 - 525	0 - 550	0 - 575	0 - 600
Maximum output voltage at full power	V	490	515	540	565
Output voltage at zero power	V	525	550	575	600
Maximum output current	A	32	32	32	32
Maximum continuous output power	kWdc	15.6	16.4	17.2	18.0
Efficiency (max / CEC / Euro)	%	99.3 / 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

600V Systems (-0.914 A/V slope)

maximum output **30A**

Vxxx-i36-30 (-0.914 A/V) models		V525	V550	V575	V600
Electrical					
Input					
Maximum voltage per input	V	600	600	600	600
Maximum current (Imp) per input	A	30	30	30	30
Maximum short-circuit current (Isc) per input	A	33	33	33	33
MPP tracking voltage range	V	300 - 600	300 - 600	300 - 600	300 - 600
Startup voltage per input	V	390	390	390	390
Number of inputs		2	2	2	2
Output					
Output voltage range	V	0 - 525	0 - 550	0 - 575	0 - 600
Maximum output voltage at full power	V	495	520	545	570
Output voltage at zero power	V	525	550	575	600
Maximum output current	A	30	30	30	30
Maximum continuous output power	kWdc	14.7	15.5	16.2	17.0
Efficiency (max / CEC / Euro)	%	99.3 / 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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600V Systems (-0.914 A/V slope)

maximum output **28A**

Vxxx-i36-28 (-0.914 A/V) models		V525	V550	V575	V600
Electrical					
Input					
Maximum voltage per input	V	600	600	600	600
Maximum current (Imp) per input	A	28	28	28	28
Maximum short-circuit current (Isc) per input	A	31	31	31	31
MPP tracking voltage range	V	300 - 600	300 - 600	300 - 600	300 - 600
Startup voltage per input	V	390	390	390	390
Number of inputs		2	2	2	2
Output					
Output voltage range	V	0 - 525	0 - 550	0 - 575	0 - 600
Maximum output voltage at full power	V	495	520	545	570
Output voltage at zero power	V	525	550	575	600
Maximum output current	A	28	28	28	28
Maximum continuous output power	kWdc	13.8	14.5	15.2	15.9
Efficiency (max / CEC / Euro)	%	99.3 / 99.1 / 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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600V Systems (-0.914 A/V slope)

maximum output 25A

Vxxx-i36-25 (-0.914 A/V) models		V525	V550	V575	V600
Electrical					
Input					
Maximum voltage per input	V	600	600	600	600
Maximum current (Imp) per input	A	25	25	25	25
Maximum short-circuit current (Isc) per input	A	27	27	27	27
MPP tracking voltage range	V	300 - 600	300 - 600	300 - 600	300 - 600
Startup voltage per input	V	390	390	390	390
Number of inputs		2	2	2	2
Output					
Output voltage range	V	0 - 525	0 - 550	0 - 575	0 - 600
Maximum output voltage at full power	V	500	525	550	575
Output voltage at zero power	V	525	550	575	600
Maximum output current	A	25	25	25	25
Maximum continuous output power	kWdc	12.4	13.0	13.6	14.3
Efficiency (max / CEC / Euro)	%	99.3 / 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

600V Systems (-0.914 A/V slope)

maximum output 24A

Vxxx-i36-24 (-0.914 A/V) models		V525	V550	V575	V600
Electrical					
Input					
Maximum voltage per input	V	600	600	600	600
Maximum current (Imp) per input	A	24	24	24	24
Maximum short-circuit current (Isc) per input	A	26	26	26	26
MPP tracking voltage range	V	300 - 600	300 - 600	300 - 600	300 - 600
Startup voltage per input	V	390	390	390	390
Number of inputs		2	2	2	2
Output					
Output voltage range	V	0 - 525	0 - 550	0 - 575	0 - 600
Maximum output voltage at full power	V	500	525	550	575
Output voltage at zero power	V	525	550	575	600
Maximum output current	A	24	24	24	24
Maximum continuous output power	kWdc	11.9	12.5	13.1	13.7
Efficiency (max / CEC / Euro)	%	99.3 / 99 / 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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600V Systems (-0.914 A/V slope)

maximum output **20A**

Vxxx-i36-20 (-0.914 A/V) models		V525	V550	V575	V600
Electrical					
Input					
Maximum voltage per input	V	600	600	600	600
Maximum current (Imp) per input	A	20	20	20	20
Maximum short-circuit current (Isc) per input	A	22	22	22	22
MPP tracking voltage range	V	300 - 600	300 - 600	300 - 600	300 - 600
Startup voltage per input	V	390	390	390	390
Number of inputs		2	2	2	2
Output					
Output voltage range	V	0 - 525	0 - 550	0 - 575	0 - 600
Maximum output voltage at full power	V	505	530	555	580
Output voltage at zero power	V	525	550	575	600
Maximum output current	A	20	20	20	20
Maximum continuous output power	kWdc	10.0	10.5	11.0	11.5
Efficiency (max / CEC / Euro)	%	99.3 / 98.9 / 98.6			
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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