

String Optimizer

V1500-32-30 Series

Vxxxx-32-30 Models		V1325	V1350	V1375	V1400	V1425
Electrical						
Input						
Maximum voltage per input	V	1500	1500	1500	1500	1500
Maximum current (Imp) per input	A	24	24	24	24	24
Maximum short-circuit current (Isc) per input	A	26	26	26	26	26
MPP tracking voltage range	V	300 - 1250	300 - 1275	300 - 1300	300 - 1325	300 - 1350
Startup voltage per input	V	390	390	390	390	390
Number of inputs		2	2	2	2	2
Output						
Output voltage range	V	0 - 1325	0 - 1350	0 - 1375	0 - 1400	0 - 1425
Output voltage at full power	V	1250	1275	1300	1325	1350
Output voltage at zero power	V	1325	1350	1375	1400	1425
Maximum output current	A	30	30	30	30	30
Maximum continuous output power	kWdc	37.5	38.2	39.0	39.7	40.5
Efficiency (max / CEC / Euro)	%	99.5 / 99.4 / 99.3				
Mechanical						
Input & output connector	MC4-Evo 2					
Dimensions	18.35" x 8.66" x 3.94" (466.1 mm x 220 mm x 100 mm)					
Weight	17.8 lbs. (8.1 kg)					
Ambient temperature operating range	-40 °F to +122 °F (-40 °C to +50 °C)					
Cooling	Convection					
Environmental						
Environmental category	Outdoor					
Pollution degree	2					
Maximum operating altitude	9843 ft (3000 m)					
Overvoltage category	OVII					
Ingress protection	IP66 / 4X					
General						
Maximum system voltage	1500 V					
Compliance	ETL to UL 1741; IEC 61000-6-1, 61000-6-3, 62109; CE; Giteki 2-1-19; FCC Part 15, class A					

Follow Ampt design guidelines to identify possible derating at high ambient temperatures or altitudes.

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V1500-32-30 Series

Vxxxx-32-30 Models		V1200	V1225	V1250	V1275	V1300
Electrical						
Input						
Maximum voltage per input	V	1500	1500	1500	1500	1500
Maximum current (Imp) per input	A	24	24	24	24	24
Maximum short-circuit current (Isc) per input	A	26	26	26	26	26
MPP tracking voltage range	V	300 - 1125	300 - 1150	300 - 1175	300 - 1200	300 - 1225
Startup voltage per input	V	390	390	390	390	390
Number of inputs		2	2	2	2	2
Output						
Output voltage range	V	0 - 1200	0 - 1225	0 - 1250	0 - 1275	0 - 1300
Output voltage at full power	V	1125	1150	1175	1200	1225
Output voltage at zero power	V	1200	1225	1250	1275	1300
Maximum output current	A	30	30	30	30	30
Maximum continuous output power	kWdc	33.7	34.5	35.2	36.0	36.7
Efficiency (max / CEC / Euro)	%	99.5 / 99.4 / 99.3				
Mechanical						
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Maximum operating altitude	9843 ft (3000 m)					
Overvoltage category	OVII					
Ingress protection	IP66 / 4X					
General						
Maximum system voltage	1500 V					
Compliance	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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