

String Optimizer

V1000-32-24 Series

Vxxx-32-24 Models		V800	V825	V850	V875	V900	V925	V950	V975	V1000
Electrical										
Input										
Maximum voltage per input	V	1000	1000	1000	1000	1000	1000	1000	1000	1000
Maximum current (Imp) per input	A	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
Maximum short-circuit current (Isc) per input	A	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
MPP tracking voltage range	V	300 - 740	300 - 765	300 - 790	300 - 815	300 - 840	300 - 865	300 - 890	300 - 915	300 - 940
Startup voltage per input	V	390	390	390	390	390	390	390	390	390
Number of inputs		2	2	2	2	2	2	2	2	2
Output										
Output voltage range	V	0 - 800	0 - 825	0 - 850	0 - 875	0 - 900	0 - 925	0 - 950	0 - 975	0 - 1000
Output voltage at full power	V	740	765	790	815	840	865	890	915	940
Output voltage at zero power	V	800	825	850	875	900	925	950	975	1000
Maximum output current	A	24	24	24	24	24	24	24	24	24
Maximum continuous output power	kWdc	17.6	18.2	18.8	19.4	20.0	20.6	21.2	21.8	22.4
Efficiency (max / CEC / Euro)	%	99.4 / 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										
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.