

String Optimizer

V1000-32-32 Series

Vxxx-32-32 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	24	24	24	24	24	24	24	24	24
Maximum short-circuit current (Isc) per input	A	26	26	26	26	26	26	26	26	26
MPP tracking voltage range	V	300 - 720	300 - 745	300 - 770	300 - 795	300 - 820	300 - 845	300 - 870	300 - 895	300 - 920
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	720	745	770	795	820	845	870	895	920
Output voltage at zero power	V	800	825	850	875	900	925	950	975	1000
Maximum output current	A	32	32	32	32	32	32	32	32	32
Maximum continuous output power	kWdc	22.8	23.6	24.4	25.2	26.0	26.8	27.6	28.4	29.2
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.