

# String Optimizer

# V750-32-32 Series

Vxxx-32-32 Models		V625	V650	V675	V700	V725	V750
<b>Electrical</b>							
<b>Input</b>							
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 - 545	300 - 570	300 - 595	300 - 620	300 - 645	300 - 670
Startup voltage per input	V	390	390	390	390	390	390
Number of inputs		2	2	2	2	2	2
<b>Output</b>							
Output voltage range	V	0 - 625	0 - 650	0 - 675	0 - 700	0 - 725	0 - 750
Output voltage at full power	V	545	570	595	620	645	670
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	17.4	18.2	19.0	19.8	20.6	21.4
Efficiency (max / CEC / Euro)	%	99.4 / 99.4 / 99.3					
<b>Mechanical</b>							
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						
<b>Environmental</b>							
Environmental category	Outdoor						
Pollution degree	2						
Maximum operating altitude	9843 ft (3000 m)						
Overvoltage category	OVII						
Ingress protection	IP66 / 4X						
<b>General</b>							
Maximum system voltage	750 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.