

Vxxxx-20-16 Models	V800	V825	V850	V875	V900	V925	V950	V975	V1000
Electrical									
Input									
Maximum voltage per input ¹	V	1000	1000	1000	1000	1000	1000	1000	1000
Maximum current (Imp) per input ²	A	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
Maximum short-circuit current (Isc) per input	A	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
MPP tracking voltage range	V	400 - 735	400 - 760	400 - 785	400 - 810	400 - 835	400 - 860	400 - 885	400 - 910
Startup voltage per input	V	510	510	510	510	510	510	510	510
Number of inputs		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 - 1000
Output voltage at full power	V	735	760	785	810	835	860	885	935
Output voltage at zero power	V	800	825	850	875	900	925	950	1000
Maximum output current	A	16	16	16	16	16	16	16	16
Maximum continuous output power	kWdc	11.5	11.8	12.2	12.6	13.0	13.4	13.8	14.6
Efficiency (max / CEC / Euro)	%	99.5 / 99.3 / 99.2							
Mechanical									
Input & output connector	Amphenol H4								
Dimensions	13.31" x 8.66" x 3.94" (338 mm x 220 mm x 100 mm)								
Weight	11.6 lbs. (5.3 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 ³	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								

1. Voc at coldest design temp. Follow Ampt's design guidelines to determine the number of modules per input and max. system voltage.

2. Maximum Imp of modules on the input at standard test condition (STC) - irradiation level of 1000 W/m² at 25°C.

3. Optimizer derates above this altitude.