

Vxxx-12-12 Models		V425-12	V570-12	V600-12
<b>Electrical</b>				
<b>Input</b>				
Maximum voltage per input <sup>1</sup>	V	585	585	585
Maximum current per input <sup>2</sup>	A	11	11	11
Maximum short-circuit current (Isc) per input	A	12	12	12
MPP tracking voltage range	V	200 - 460	200 - 460	200 - 460
Startup voltage per input	V	210	210	210
Number of inputs		2	2	2
<b>Output</b>				
Output voltage range	V	0 - 425	0 - 570	0 - 600
Output voltage at full power	V	405	535	580
Output voltage at zero power	V	425	570	600
Maximum output current	A	12	12	12
Maximum continuous output power	kWdc	4.7	6.3	6.8
Efficiency (max / CEC / Euro)	%		99.4 / 99.1 / 99.0	
<b>Mechanical</b>				
Input & output connector		Amphenol H4		
Dimensions		10.19" x 8.66" x 3.15" (259 mm x 220 mm x 80 mm)		
Weight		7.4 lbs. (3.4 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 <sup>3</sup>		9843 ft (3000 m)		
Overvoltage category		OVII		
Ingress protection		IP66 / 4X		
<b>General</b>				
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/m<sup>2</sup> at 25°C.
3. Optimizer derates above this altitude.