



Notes:

- 1) Values shall be measured at Standard Test Conditions after Light-soaking according to IEC Standard 61646.
- 2) During the first 8-10 weeks of operation, electrical output exceeds specified ratings. Power output may be higher by 15%, operating voltage may be higher by 11% and operating current may be higher by 4%.
- 3) Actual performance may vary up to 10% from rated power due to low temperature operation, spectral and other related effects. Maximum system open circuit voltage not to exceed 600 VDC in US installations per UL and may not exceed 1000 volts per IEC for installations elsewhere.

XR-12 1117 A™ Laminate

Weight—13 lbs.(6 kg)
 Length— 71.75 inches (1822 mm)
 Width – 36.13 inches (918 mm)
 Thickness-- .125” (3.2 mm)

Parameter	Symbol	Units	Value
Maximum Power	P_{max}	Watts	110 W
Voltage at maximum power	V_{Pmax}	Volts	19.3 V
Current at maximum power	I_{Pmax}	Amps	5.71 A
Open Circuit Voltage	V_{oc}	Volts	19.7 V
Short Circuit Current	I_{sc}	Amps	7.7 A
Nominal Operating Cell Temperature	NOCT	°C	46° C
Temperature Coefficients	β_{Voc} (at V_{oc})	%/°C	-0.38% / °C
	β_{Vpmax} (at V_{Pmax})	%/°C	-0.31% / °C
	α_{Isc} (at I_{sc})	%/°C	0.10% / °C
	α_{Ipmax} (at I_{Pmax})	%/°C	0.10% / °C
	γ_{Pmax} (at P_{max})	%/°C	-0.21% / °C