



Classic Sizing Tool

PV Module Data

Power	Watts
VOC	Volts
VMP	Volts
ISC	Amps
IMP	Amps
VOC Temp Coef %	C
VMP Temp Coef %	Amps

Environmental Data

Coldest Ambient Temperature	
Hottest Ambient Temperature	
Nominal Battery Volts	Volts

PV Array

Number Of Modules In Series	
Number Of Parallel Strings	
Total Modules	
Rated PV Array Power	Watts
Anticipated Array Power @	Watts
Rated PV Array Current	Amps
Battery Charging Current @ V	Amps
VMP (Maximum Power Point Voltage)	Volts
VOC (Open Circuit Voltage)	Volts
VMP @	Volts
VOC @	Volts

Charge Controllers

	CLASSIC 150/LITE	CLASSIC 200/LITE	CLASSIC 250/LITE
Max Operating Voltage	150	200	250
Max None Operating VOC (HyperVOC) @ 48V Nominal Bat Voltage			
Maximum Number Of Modules In Series Configuration			
Max Number Of Modules In Series Using HyperVOC			
Max Allowable Output Current Per Classic Based On This Current			
Max Allowable Wattage Per Classic Based On This Configuration			
Present PV Array Wattage Of This Configuration			

Design Check

Max VOC
Temp The Classic Enters HyperVOC
Array Power (Wattage)
Classics Required

NOTE: MidNite Solar recommends a second controller be added after 1.2
 WARNING: MidNite Solar makes no representation, warranty or assumption of liability regarding the use of the String Calculator. This tool uses data provided by other parties (such as PV module specs) and makes calculations based on assumptions which may or may not prove to be valid.