



## 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.