



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	CLASSIC 250KS/LITE
Max Operating Voltage	150	200	250	250KS
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.