

# Morningstar String Calculator

## String Sizing Tool Calculation results

PV Module: **JA Solar Holdings Co., Ltd. - JAP6 60 245-265 3BB**  
**JAP6-60-260/3BB**

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Morningstar Product: **SunSaver-MPPT-15L**

### System Information

Minimum Battery Voltage	12.10	Vdc
Maximum Battery Voltage	14.10	Vdc
Record Low Temperature	-10.0	°C
Record High Temperature	25.0	°C

### Configuration

1 Module in Series Per String

1 Strings in Parallel

260 Watts Total

**Maximum Nominal Solar Input Power exceeded for this controller.  
Controller output current will be limited, reducing power harvest  
below Maximum Power Point levels. Full output of array will not be**

**realized. No risk of damage to controller in this configuration.**

**[Click here for more information](#)**

## PV Module Specifications

Module Name	JA Solar Holdings Co., Ltd. - JAP6 60 245-265 3BB JAP6-60-260/3BB		
Pmax	260.00		W
Voc	37.98		V
Isc	9.04		A
Vmp	30.63		V
Imp	8.49		A
Voc coefficient	-0.330		%V/°C
NOCT	47.0		°C

## Morningstar Product Specifications

Product Name	SunSaver-MPPT-15L		
Maximum Battery Current	15.00		A
Supported Nominal Battery Voltages	12V, 24V		

## Array Information

Minimum Voc (average high temp.)	34.60		
Max. Operating Voc (record low temp.)	38.98		
Max. Voc (record low Temp., morning)	42.37	< 78	Max. Vin
Minimum Vmp (average high temp.)	27.25	> 14.10	Vb Max.
Maximum Vmp (record low temp.)	31.63		
Isc (STC)	9.04		
Imp (STC)	8.49		

**Disclaimer:** Morningstar makes no representation, warranty or assumption of liability regarding the use of the String Sizing Tool. 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.

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