



PV module - JAM66D45-625/LB

Manufacturer	JA Solar	Commercial data	
Model	JAM66D45-625/LB	Availability :	Prod. Since 2025
		Data source :	TÜV SÜD
Pnom STC power (manufacturer)	625 Wp	Technology	Si-mono
Module size (W x L)	1.134 x 2.382 m ²	Rough module area (Amodule)	2.70 m ²
Number of cells	2 x 66	Sensitive area (cells) (Acells)	2.52 m ²
Specifications for the model (manufacturer or measurement data)			
Reference temperature (TRef)	25 °C	Reference irradiance (GRef)	1000 W/m ²
Open circuit voltage (Voc)	48.7 V	Short-circuit current (Isc)	16.15 A
Max. power point voltage (Vmpp)	40.5 V	Max. power point current (Impp)	15.45 A
=> maximum power (Pmpp)	625.0 W	Isc temperature coefficient (mulsc)	7.3 mA/°C
One-diode model parameters			
Shunt resistance (Rshunt)	550 Ω	Diode saturation current (IoRef)	0.017 nA
Serie resistance (Rserie)	0.16 Ω	Voc temp. coefficient (MuVoc)	-117 mV/°C
Specified Pmax temper. coeff. (muPMaxR)	-0.29 %/°C	Diode quality factor (Gamma)	1.04
		Diode factor temper. coeff. (muGamma)	0.000 1/°C
Reverse Bias Parameters, for use in behaviour of PV arrays under partial shadings or mismatch			
Reverse characteristics (dark) (BRev)	3.20 mA/V ²	(quadratic factor (per cell))	
Number of by-pass diodes per module	3	Direct voltage of by-pass diodes	-0.7 V
Model results for standard conditions (STC: T=25 °C, G=1000 W/m², AM=1.5)			
Max. power point voltage (Vmpp)	40.6 V	Max. power point current (Impp)	15.46 A
Maximum power (Pmpp)	625.1 Wp	Power temper. coefficient (muPmpp)	-0.29 %/°C
Efficiency(/ Module area) (Eff_mod)	23.1 %	Fill factor (FF)	0.795
Efficiency(/ Cells area) (Eff_cells)	24.8 %		

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