PV module - JAM66D45-605/LB

Manufacturer	JA Solar	**Commercial data**	
Model	JAM66D45-605/LB	Availability :	Prod. Since 2023
		Data source :	TÜV SÜD

Specifications for the model (manufacturer or measurement data)

Reference temperature (TRef)	25 °C	Reference irradiance (GRef)	1000 W/m²
Open circuit voltage (Voc)	47.9 V	Short-circuit current (Isc)	16.00 A
Max. power point voltage (Vmpp)	39.6 V	Max. power point current (Impp)	15.28 A
=> maximum power (Pmpp)	605.1 W	Isc temperature coefficient (muIsc)	9.6 mA/°C

One-diode model parameters

Shunt resistance (Rshunt)	350 Ω	Diode saturation current (IoRef)	0.021 nA
Serie resistance (Rserie)	0.17 Ω	Voc temp. coefficient (MuVoc)	-123 mV/°C
Specified Pmax temper. coeff. (muPMaxR)	-0.30 %/°C	Diode quality factor (Gamma)	1.03
		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/V²	(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)	39.8 V	Max. power point current (Impp)	15.31 A
Maximum power (Pmpp)	605.5 Wp	Power temper. coefficient (muPmpp)	-0.30 %/°C
Efficiency(/ Module area) (Eff_mod)	22.4 %	Fill factor (FF)	0.790
Efficiency(/ Cells area) (Eff_cells)	24.4 %