




MANAGEMENT SYSTEM

-  ISO 9001: Quality management system
-  ISO 14001: Standard for environmental management system
-  OHSAS 18001: International standard for occupational health and safety assessment system



*BLACK FRAME/BLACK BACK-SHEET PRODUCTS ARE AVAILABLE UPON REQUEST

PRODUCT CERTIFICATES



Electrical Characteristics under STC*

Module Type	FSM190P672	FSM195P672	FSM200P672	FSM205P672	FSM210P672	FSM215P672
Maximum Power-Pmax (Wp)	190	195	200	205	210	215
Voltage at Maximum Power-Vmp (V)	36.6	36.8	36.9	37.1	37.3	37.6
Current at Maximum Power-Imp (A)	5.19	5.30	5.42	5.53	5.63	5.72
Open Circuit Voltage-Voc (V)	44.6	44.8	44.9	45.1	45.3	45.6
Short Circuit Current-Isc (A)	5.61	5.72	5.85	5.97	6.08	6.17
Module Efficiency- η_m (%)	14.4	14.8	15.2	15.6	16.0	16.3
Power Tolerance (%)	0/+3	0/+3	0/+3	0/+3	0/+3	0/+3

*STC (Standard Testing Conditions): Irradiance 1000W/m², cell temperature 25°C, AM=1.5

*NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², ambient temperature 20 °C, wind speed 1 m/s

Mechanical Characteristics

Cell Type	Poly-crystalline 156.75×104mm
Number of Cells	72 (6×12)
Dimension	1330×992×35mm
Weight	15.5 kg

Temperature Characteristics

NOCT*	45±2°C
Temperature Coefficient of Pmax (%)	-0.40/°C
Temperature Coefficient of Voc (%)	-0.31/°C
Temperature Coefficient of Isc (%)	0.04/°C

Maximum System Ratings

Operating Temperature	-40°C to +85°C
Maximum System Voltage	1000V DC
Maximum Series Fuse Rating	16A

Packing Configuration

Quantity per Cartoon	30 pieces
Quantity per 20' Container	480 pieces
Quantity per 40' Container	960 pieces

* The datasheet is for informational purposes only and subject to change without prior notice. Copyright © 2018 TAMRONS All rights reserved.



Positive Power Tolerance +0 ~ +4.99 w



Withstand Heavy Loading
Front load 5400 Pa & Rear Load 2400 Pa



Excellent Low Light Performance
3.5% relative eff. reduction at low-irradiance (200w/m²)



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