

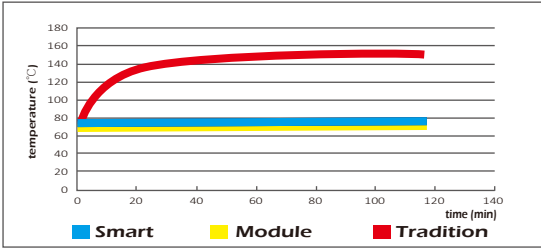
SMART MODULE

- ✓ **Smart controlling system** to prevent from hot spot effect and fire risk.
- ✓ **Low temperature** to protect PV modules.
- ✓ **Reduce the power loss** causing by shadow effect.
- ✓ **Maximize power capacity** in limited space due to the shadow effect.
- ✓ **Support 200W~340W mono / poly crystalline PV modules.**

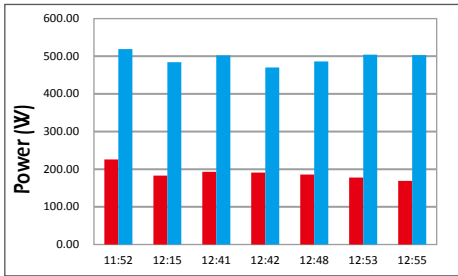
No More Shadow Effect

200W-340W
JMPASS-43 series
Multi-Crystalline Photovoltaic Modules

Bypass diode thermal test	
Test Date (MM/DD/YYYY)	08/11/2014
Test sample	Full scale module
Module Temperature (°C)	72.82
Current flow applied (A)	10.94
Tradition diode temperature (°C)	152.09
JMPASS diode temperature (°C)	77.54



Time	Am Temp	DC輸出功率(W)	
		Diode	JMPASS
11:52	33	226.00	519.00
12:15	34	183.00	484.00
12:41	36	193.00	502.00
12:42	36	191.00	470.00
12:48	37	186.00	486.00
12:53	37	178.00	504.00
12:55	37	169.00	503.00



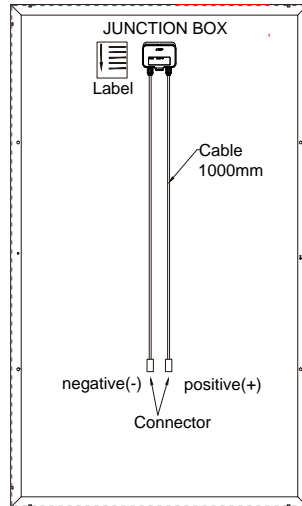
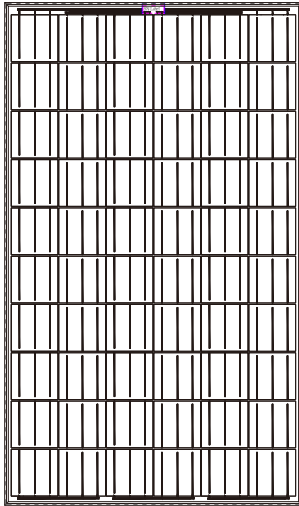
JMPASS-43 series

200W-340W



Multi-Crystalline Photovoltaic Modules

Mechanical Data



Cells: 48~60 polycrystalline 156x156mm cells
 Connection: Junction box IP65 with JMPASS diodes
 Cable: 4mm² x 1.0m with Tyco or MC4 compatible connectors
 Frame: Anodized aluminum

***The specific characteristics are subject to module makers' specifications.

Maximum Operation

Operational Temperature: -40°C to +85°C
 (-40°F to +185°F)
 Maximum System Voltage: 1000V DC
 Maximum Reverse Current: 15A
 Maximum Load: Snow loads 5400pa or 550kg/m²
 Wind loads 2400pa

Electrical Characteristics @ STC*

Nominal Power P_{MAX} [W_p]: 200W_p~340W_p
 Power Tolerance **: +0~3%
 Maximum Working Voltage [V]: 48V
 Maximum Working Current [A]: 12A
 Efficiency Eff [%]: 15%~17%

JMPASS-43 Series

Module Number	Material	Power Tolerance	Efficiency Eff [%]	Nominal Power Pmax [Wp]
SEC-6P-60-3BB	multi-crystalline	+0~3%	14.64%~17.08%	240Wp~280Wp
UHC-3B200P~290P	multi-crystalline	+0~3%	13.63%~14.93%	200Wp~290Wp
PM060P00	multi-crystalline	+0~3%	15.50%~16.70%	250Wp~270Wp
AJP-M6xx	multi-crystalline	+/-3%	14.70%~16.50%	215Wp~320Wp
TYNP626xxxx	multi-crystalline	+0~3%	15.27%~16.14%	215Wp~315Wp
RSM60-6-xxx	multi-crystalline	+/-3%	15.27%~16.80%	200Wp~275Wp

Module Number	Material	Power Tolerance	Efficiency Eff [%]	Nominal Power Pmax [Wp]
SEC-6M-72-3BB	mono-crystalline	+0~3%	15.69%~16.72%	305Wp~325Wp
UHC-3B200P~285P	mono-crystalline	+0~3%	15.22%~17.50%	200Wp~285Wp
PM060M02	mono-crystalline	+0~3%	16.80%~17.40%	270Wp~280Wp
AJP-S6xx	mono-crystalline	+/-3%	15.40%~17.50%	250Wp~340Wp
TYNS626xxxx	mono-crystalline	+0~3%	15.27%~16.14%	215Wp~315Wp
RSM72-6-xxx	mono-crystalline	+/-3%	15.27%~17.00%	200Wp~330Wp

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