



# SOLAR JUICE

## BLACK OPAL

*Mining Sunshine*

SJ 250-265 P6P

MULTICRYSTALLINE SILICON MODULE

### Key Features



Multicrystalline modules designed for residential commercial and utility applications, rooftop or ground mount



High output, 16.21% highest conversion efficiency



Designed for IEC DC 1000V applications



Anti-reflective and anti-soiling surface reduces power loss from dirt and dust



Outstanding performance in low-light irradiance environments



Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)



High salt and ammonia resistance certified by TÜV NORD

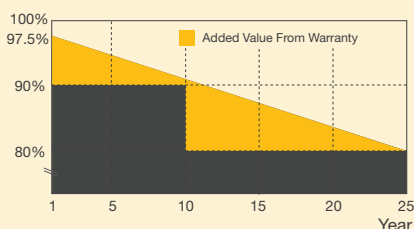
### Solar Juice Pty Ltd.

Solar Juice was established in 2009 and has grown to be the premier provider of Solar products throughout Australia. We pride ourselves on integrity, honesty and a deep commitment to the Australian Solar industry.

With headquarters in Sydney and representation in every state and territory we stand by our commitment to offer local support and service. We look forward to introducing you to the Solar Juice Opal Series.

### Superior Warranty

- 10-year product warranty
- 25-year linear power output warranty



### Reliable Quality

- Positive power tolerance: 0~+5W
- 100% EL double-inspection ensures modules are defects free
- Modules binned by current to improve system performance
- Potential Induced Degradation (PID) Resistant

### Comprehensive Certificates

- IEC 61215, IEC 61730, UL1703, CEC Listed, MCS and CE
- ISO 9001: 2008: Quality management systems
- ISO 14001: 2004: Environmental management systems
- BS OHSAS 18001: 2007: Occupational health and safety management systems



CEC Approved:

Certificate Holder: Solar Juice Pty Ltd.

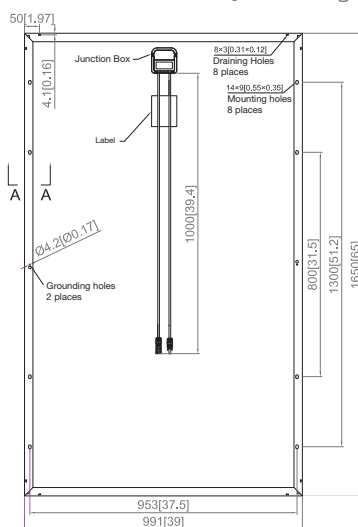
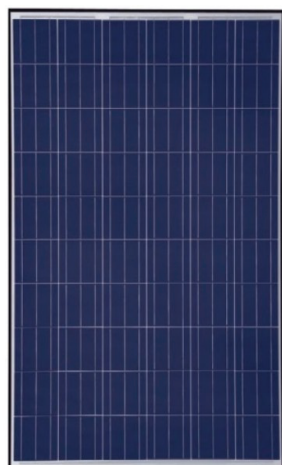
Model Number:

SJ 250P63BB-60-01; SJ 255P63BB-60-01;

SJ 260P63BB-60-01; SJ 265P63BB-60-01;

Specifications subject to technical changes and tests. Solar Juice reserves the right of final interpretation.

### Standard J-BOX design



■ customized cable length available upon request

### MECHANICAL PARAMETERS

Cell (mm)	Poly 156x156
Weight (kg)	18.2 (approx)
Dimensions (L×W×H) (mm)	1650×991×40
Cable Cross Section Size (mm <sup>2</sup> )	4
No. of Cells and Connections	60 (6×10)
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible
Packaging Configuration	26 Per Pallet

### WORKING CONDITIONS

Maximum System Voltage	DC 1000V (IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	15A
Maximum Static Load, Front (e.g., snow and wind)	5400Pa (112 lb/ft <sup>2</sup> )
Maximum Static Load, Back (e.g., wind)	2400Pa (50 lb/ft <sup>2</sup> )
NOCT	45±2°C
Application Class	Class A

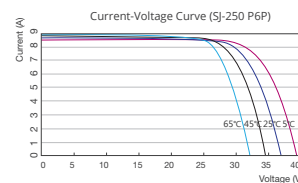
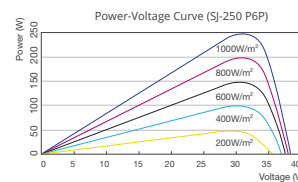
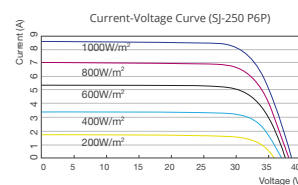
### ELECTRICAL PARAMETERS

TYPE	SJ 250 P6P	SJ 255 P6P	SJ 260 P6P	SJ 265 P6P
Rated Maximum Power at STC (W)	250	255	260	265
Open Circuit Voltage (Voc/V)	37.66	37.82	37.98	38.14
Maximum Power Voltage (Vmp/V)	29.94	30.29	30.63	30.96
Short Circuit Current (Isc/A)	8.92	8.98	9.04	9.10
Maximum Power Current (Imp/A)	8.35	8.42	8.49	8.56
Module Efficiency [%]	15.29	15.59	15.90	16.21
Power Tolerance (W)	-0~+5W			
Temperature Coefficient of Isc (αIsc)	+0.058%/°C			
Temperature Coefficient of Voc (βVoc)	-0.330%/°C			
Temperature Coefficient of Pmax (γPmp)	-0.430%/°C			
STC	Irradiance 1000W/m <sup>2</sup> , Module Temperature 25°C, Air Mass 1.5			

### NOCT

TYPE	SJ 250 P6P	SJ 255 P6P	SJ 260 P6P	SJ 265 P6P
Max Power (Pmax) [W]	181.50	185.13	188.76	192.39
Open Circuit Voltage (Voc) [V]	34.61	34.68	34.76	34.87
Max Power Voltage (Vmp) [V]	27.42	27.71	28.05	28.42
Short Circuit Current (Isc) [A]	7.13	7.18	7.21	7.24
Max Power Current (Imp) [A]	6.62	6.68	6.73	6.77
Condition	Under Normal Operating Cell Temperature, Irradiance of 800 W/m <sup>2</sup> , spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s			

### I-V CURVE



Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.