

**100M**  
**(50W x 2)**  
**MONO**



NEW! 25-YEAR LINEAR  
PERFORMANCE GUARANTEE  
AND 5-YEAR EXTENDED  
PRODUCT WARRANTY\*

Length	630	mm
Width	540	mm
Height	70	mm
Weight	8.10	kg
Frame	Aluminum	



## FSP 100M(50W x 2) MONO

World-class quality

DOKIO products are made by A grade raw materials, and all model have pass through TUV CE ISO Certification!

25-year Linear Performance Guarantee

DOKIO guarantees, over 25 years, that the modules' performance will not decrease by more than 0.7% per year – a distinct added value compared to the two-tiered guarantees usual in the industry.

according to the DOKIO service certificate valid at the time of purchase  
[www.Dokiosolar.com](http://www.Dokiosolar.com)



## FSP 100M(50W x 2) MONO

### PERFORMANCE UNDER STANDARD TEST CONDITIONS(STC\*)

FSP-100M(50Wx2)		
Maximum power	P <sub>max</sub>	100Wp
Open circuit voltage	V <sub>oc</sub>	21.60V
Maximum power point voltage	V <sub>mpp</sub>	18.00V
Short-circuit current	I <sub>sc</sub>	5.81A
Maximum power point current	I <sub>mp</sub>	5.56A

### PERFORMANCE AT 1000 W/ M<sup>2</sup> , NOCT, AM 1.5

Minor reduction in efficiency under partial load conditions at 25° C: at 100 W/m<sup>2</sup>, 95% (+/-3%) of the STC efficiency (1000 W/m<sup>2</sup>) is achieved.

### COMPONENT MATERIALS

Cells per module	72
Cell type	Monocrystalline Silicon
Cell dimensions	125 mm x 62.5mm
Front	tempered glass (EN12150)

### SYSTEM INTEGRATION PARAMETERS

Maximum system voltage SC II	1000 V
Maximum system voltage USA NEC	600 V
Maximum reverse current	16 A
Increased snowload acc. to IEC 61215	5.4 kN/m <sup>2</sup>

### THERMAL CHARACTERISTICS

NOCT	47 ° C
TC I <sub>sc</sub>	0.042 %/° C
TC V <sub>oc</sub>	-0.33 %/° C
TC P <sub>mp</sub>	-0.45 %/° C

### ADDITIONAL DATA

PTC rating	90 W
Junction box	IP65
Connector	MC4
Module efficiency	17.0%
DOKIO Plus-Sorting*	P <sub>Flash</sub> ≥ P <sub>max</sub>
Power tolerance*	+/- 3 %

\*Only modules with flash-tested power ≥ P<sub>max</sub> are delivered.

Linear warranty guarantees Year 1 module output to ≥ 97% of P<sub>max</sub>



• Qualified, IEC 61215  
• Safety tested,  
IEC 61730  
• Periodic Inspection



CORROSIVE  
GAS (NH<sub>3</sub>)  
RESISTANT



Made in China