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Solar Panel Guide Specification Data Sheet

**LSIS Co., Ltd
PVM S310-320PD
PVM S310PD**

Also available on the web at
EnergyPal.com/lsis-co-ltd-solar-panels/pvm-s310pd

6 inch
Cells

PVM S310PD

6 inch
Cells

PVM S320PD

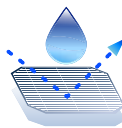
Poly-Mono-Crystalline(PID Free) *Floating system PV module*

LSIS Photovoltaic Module makes a difference

LSIS has been manufacturing photovoltaic modules for more than 30 years. We are confident that this history-based experience can provide convenience and efficiency to make the best use of building solar power system. LSIS PV modules are all made in Korea with assuring credibility and the highest quality.



PVM S310PD_S320PD



Adaptable PV module on the WATER SURFACE

- Pb free module to prevent water pollution
- Enhanced resistance against humidity
- High protection grade : IP67 (IEC Standard grade : IP65)
- Enforced insulation strength (Higher than 50MΩ)



LSIS values 'PID Free'

Mega-Scale PV Plants can be easily exposed PID effects that can lead to or accelerate module degradation through multiple factors. LSIS provides reliable PID Free Module tested and guaranteed.



Plus Power Tolerance

Plus Power Tolerance

LSIS delivers only reliable products
Within a nominal power output tolerance from 0 to 3%.



Warranty

10 years Product Warranty for Mechanical Defect
10 years for 91.5% Power Warranty
25 years for 83% Power Warranty



Proper module for total solution system

LSIS Power Testing & Technology institute is recognized as a testing and certification laboratory of KEMA (Inspection of Electrical Materials of Netherland), IEC, CE, CB and CESI. LSIS PV Module obtained certification TUV, JET, J-PEC.



6 inch Cells

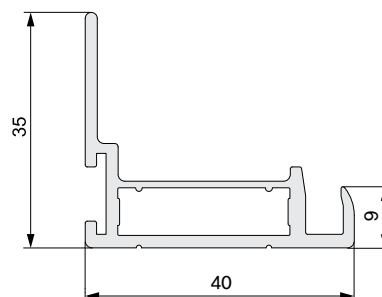
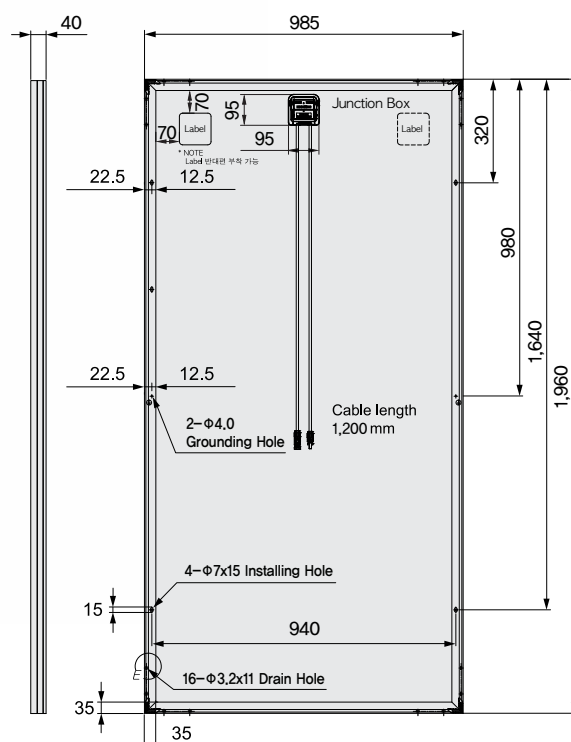
PVM S310PD

6 inch Cells

PVM S320PD

Poly-Mono-Crystalline(PID Free) Floating system PV module

DESCRIPTION	PVM S310PD	PVM S320PD
MECHANICAL DATA		
Cell Type	Poly-Mono-Crystalline	
Cell Dimensions	156 x 156 mm (6 inch)	
Cell Quantity per Module	72ea	
Number of Busbar	3ea	
Dimensions [L x W x T]	1,960 x 985 x 40 mm	
Weight	23 kg	
Bypass Diodes	3ea	
Connection Type	MC4 Compatible	
Length of Cable	1,200 mm	
Maximum Load	5,400pa	
ELECTRICAL DATA		
Nominal Power (Pmax)	310Wp	320Wp
Performance Tolerance	0 ~ +3%	0 ~ +3%
Module Efficiency	16.06%	16.58%
Open Circuit Voltage (Voc)	45.85V	46.22V
Short Circuit Voltage (Isc)	8.9A	8.97A
Voltage at Maximum-Power Point (Vmp)	38.13V	39.06V
Current at Maximum-Power Point (Imp)	8.15A	8.97A
Temperature Coefficient (Isc)	0.02828[%/°C]	
Temperature Coefficient (Voc)	-0.39241[%/°C]	
Temperature Coefficient (Pmax)	-0.56626[%/°C]	
Maximum System Voltage	1,000V	
Maximum Rated Current of Diode	20A	
Over Current Protection Rating	12A	
CERTIFICATION AND WARRANTY		
Certification	TUV Rheinland, KEMCO	
Product Warranty	10 years	
Output Warranty	10/91.5 [years/%]	
	25/83 [years/%]	



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※ LSIS constantly endeavor to improve our products so that information in this catalog is subject to change without notice.

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