



samlexsolar[®]
A Division of Samlex America Inc.

50W



Solar Panel Polycrystalline

Model
USA-P6T50
50 Watts

Design Features

- Solar cell efficiency > 17.4% generates more energy per square meter
- Protective bypass diodes avoid effects of partial shading
- Weather-proof Junction Box and connectors and anodized aluminum frame for operation in wet and marine applications
- Highest manufacturing standards: ISO9001:2008
- Strong frame withstands wind force of 6000 Pa

Applications

- Residential roof-top systems
- Commercial/industrial building roof-top systems
- Rural area applications
- Other on-grid and off-grid applications
- Automotive, RV and Marine

		USA-P6T50	
ELECTRICAL DATA	NOMINAL MAXIMUM POWER AT STC (P _{MAX})	50 Watts	
	POWER TOLERANCE	±5%	
	MAXIMUM POWER VOLTAGE (V _{MP})	18.83 VDC	
	MAXIMUM POWER CURRENT (I _{MP})	2.71A	
	OPEN CIRCUIT VOLTAGE (V _{OC})	22.64 VDC	
	SHORT CIRCUIT CURRENT (I _{SC})	2.88A	
	SERIES FUSE RATING	10A	
	INGRESS PROTECTION RATING	IP65	
	MAXIMUM SYSTEM VOLTAGE	1000 VDC	
	OPERATING TEMPERATURE	-40°C to +85°C / -40°F to +185°F	
	CELL TYPE	6" x 2" Polycrystalline	
	CELL EFFICIENCY	> 17.4%	
	CELL ARRANGEMENT	36 (4 x 9)	
	OUTPUT CONNECTORS	MC4 Compatible	
	MECHANICAL DATA	DIMENSIONS, INCHES (L x W x H)	26.22 x 20.70 x 1.38
		DIMENSIONS, MM (L x W x H)	666 x 526 x 35
WEIGHT, KG / LBS		4 kg / 8.8 lbs	
FRONT COVER		Tempered glass	
	FRAME MATERIAL	Anodized aluminum alloy	
	STANDARD PACKAGING (MODULES PER PALLET)	TBD	
GENERAL	SAFETY COMPLIANCE	Conforms to UL Standard UL1703	
	WARRANTY	25 year manufacturers limited warranty	

NOTE 1: Specifications are subject to change without notice

NOTE 2: Standard Test Conditions (STC): Irradiance: 1000W/m²; Module Temperature 25°C / 77°F; AM1.5

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