



samlexsolar®
A Division of Samlex America Inc.

90W



Solar Panel Monocrystalline

Model
USA-M5T90
90 Watts

Design Features

- Solar cell efficiency > 16.9% 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-M5T90
ELECTRICAL DATA	NOMINAL MAXIMUM POWER AT STC (P_{MAX})	90 Watts
	POWER TOLERANCE	±5%
	MAXIMUM POWER VOLTAGE (V_{MP})	18.36 VDC
	MAXIMUM POWER CURRENT (I_{MP})	4.90A
	OPEN CIRCUIT VOLTAGE (V_{OC})	22.03 VDC
	SHORT CIRCUIT CURRENT (I_{SC})	5.31A
	SERIES FUSE RATING	12A
	INGRESS PROTECTION RATING	IP65
	MAXIMUM SYSTEM VOLTAGE	1000 VDC
	OPERATING TEMPERATURE	-40°C to +85°C / -40°F to +185°F
	CELL TYPE	5" x 5" Monocrystalline
	CELL EFFICIENCY	> 16.4%
	CELL ARRANGEMENT	36 (4 x 9)
	OUTPUT CONNECTORS	MC4 Compatible
MECHANICAL DATA	DIMENSIONS, INCHES (L x W x H)	47.48 x 21.73 x 1.38
	DIMENSIONS, MM (L x W x H)	1206 x 552 x 35
	WEIGHT, KG / LBS	10 kg / 22 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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12019-USA-M5T90-1112