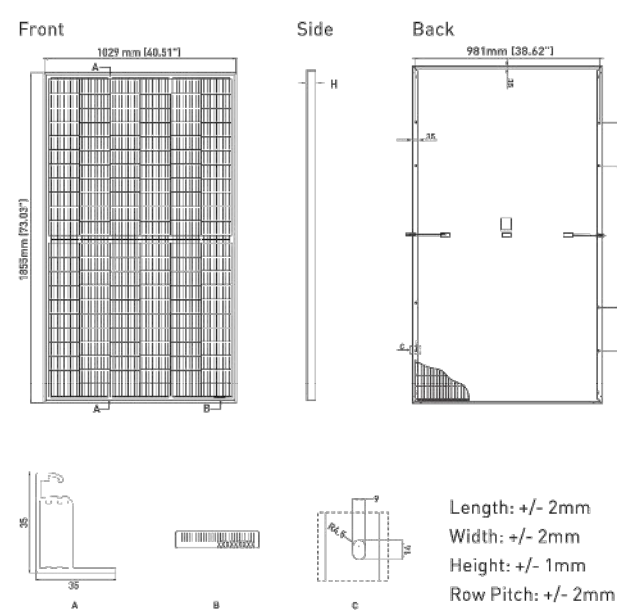
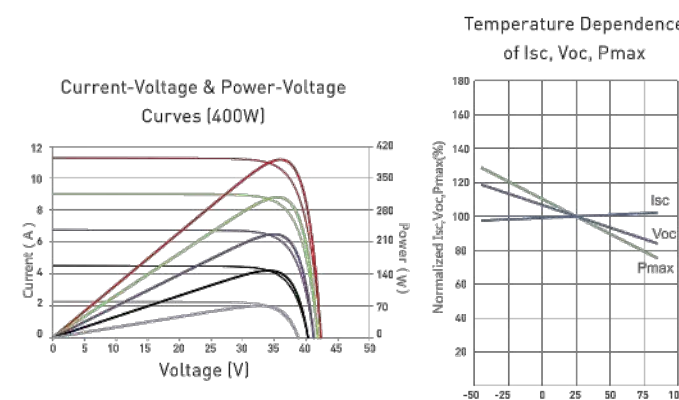


SOLAR PV MODULE

ENGINEERING DRAWINGS



ELECTRICAL PERFORMANCE & TEMPERATURE DEPENDENCE



ELECTRICAL CHARACTERISTICS

Module Type	JKM380M 6RL3-B		JKM385M 6RL3-B		JKM390M 6RL3-B		JKM395M 6RL3-B		JKM400M 6RL3-B	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	380Wp	283Wp	385Wp	284Wp	390Wp	292Wp	395Wp	294Wp	400Wp	299Wp
Maximum Power Voltage (Vmp)	36.95V	33.72V	37.32V	33.90V	37.15V	36.12V	37.27V	36.13V	37.39V	36.25V
Maximum Power Current (Imp)	10.30A	8.39A	10.30A	8.45A	10.50A	8.52A	10.40A	8.41A	10.70A	8.49A
Open-circuit Voltage (Voc)	44.22V	41.74V	44.30V	41.85V	44.47V	41.97V	44.59V	42.09V	44.71V	42.20V
Short-circuit Current (Isc)	11.12A	8.98A	11.22A	9.06A	11.32A	9.14A	11.42A	9.22A	11.52A	9.30A
Module Efficiency STC (%)	19.91%		20.17%		20.43%		20.69%		20.96%	

*STC: ☀ Irradiance 1000W/m² ☀ Cell Temperature 25°C
NOCT: ☀ Irradiance 800W/m² ☀ Ambient Temperature 20°C

*Power measurement tolerance: +/- 3%

The company reserves the final right for explanation on any of the information presented hereby. JKM380-400M-6RL3-B-A2-US

BUILDING YOUR TRUST IN SOLAR. WWW.JINKOSOLAR.US



MICRO-INVERTER

Technical Specifications

Model	HM-1200NT		HM-1500NT	
Input Data (DC)				
Commonly used module power (W)	240 to 405+		300 to 505+	
Maximum input voltage (V)	60			
MPPT voltage range (V)	16-60			
Start-up voltage (V)	22			
Maximum input current (A)	4 × 11.5		4 × 11.5	
Output Data (AC)				
Peak output power (VA)	1260	1200	1500	1350
Maximum continuous output power (VA)	1200	1109	1438	1246
Maximum continuous output current (A)	5	5.33	5.99	5.99
Nominal output voltage/range (V)	240/211-264	208/183-228	240/211-264	208/183-228
Nominal frequency/range (Hz)	60/55-65			
Power factor (adjustable)	>0.99 default; 0.8 leading...0.8 lagging			
Total harmonic distortion	<3%			
Maximum units per 10AWG branch ²	4	4	4	4

CEC peak efficiency	96.7%
CEC weighted efficiency	96.5%
Nominal MPPT efficiency	99.8%
Nighttime power consumption(mW)	<50

Ambient temperature range (°C)	-40 to +65
Dimensions (W × H × D mm)	280 × 176 × 33
Weight (kg)	3.35
Enclosure rating	Outdoor-NEMA 6 (IP67)
Cooling	Natural convection - No fans

Communication	2.4GHz Proprietary RF (Nordic)
Monitoring	S-Miles Cloud ³
Warranty	Up to 25 years
Compliance	UL 1741, IEEE 1547, UL 1741 SA (240 Vac), CA Rule 21 (240 Vac), CSA C22.2 No. 107.1-16, FCC Part 15B, FCC Part 15C Conforms with NEC-2017 and NEC-2020 Article 690.12 and CEC-2021 Sec 64-218 Rapid Shutdown of PV Systems
PV Rapid Shutdown	

*1 Nominal voltage/frequency range can vary depending on local requirements.
*2 Refer to local requirements for exact number of microinverters per branch.
*3 Hoymiles Monitoring System.

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Technical Specifications

Model	HM-600NT	HM-700NT	HM-800NT
Input Data (DC)			
Commonly used module power (W)	240 to 405+	280 to 470+	320 to 540+
Maximum input voltage (V)	60		
MPPT voltage range (V)	16-60		
Start-up voltage (V)	22		
Maximum input current (A)	2 × 11.5	2 × 11.5	2 × 12.5
Maximum input short circuit current (A)	2 × 15		
Number of MPPTs	2		
Number of inputs per MPPT	1		

Output Data (AC)						
Peak output power (VA)	600		700		800	
Maximum continuous output power (VA)	590		696		766	
Maximum continuous output current (A)	2.46	2.84	2.90	3.35	3.19	3.68
Nominal output voltage/range (V)	240/211-264	208/183-228	240/211-264	208/183-228	240/211-264	208/183-228
Nominal frequency/range (Hz) ¹	60/55-65					
Power factor (adjustable)	> 0.99 default 0.8 leading – 0.8 lagging					
Total harmonic distortion	< 3%					
Maximum units per 10AWG branch ²	9	8	8	7	7	6
Maximum units per 12AWG branch ²	6	5	5	4	5	4

CEC peak efficiency	96.7%
CEC weighted efficiency	96.5%
Nominal MPPT efficiency	99.8%
Nighttime power consumption (mW)	<50

Ambient temperature range (°C)	-40 to +65
Dimensions (W × H × D mm)	250 × 170 × 28
Weight (kg)	2.6
Enclosure rating	Outdoor-NEMA 6 (IP67)
Cooling	Natural convection - No fans

Communication	2.4GHz Proprietary RF (Nordic)
Type of isolation	Galvanically Isolated HF Transformer
Monitoring	S-Miles Cloud ³
Warranty	Up to 25 years
Compliance	UL 1741, IEEE 1547, UL 1741 SA (240 Vac), CA Rule 21 (240 Vac), CSA C22.2 No. 107.1-16, FCC Part 15B, FCC Part 15C Conforms with NEC-2017 and NEC-2020 Article 690.12 and CEC-2021 Sec 64-218 Rapid Shutdown of PV Systems
PV Rapid Shutdown	

*1 Nominal voltage/frequency range can vary depending on local requirements.
*2 Refer to local requirements for exact number of microinverters per branch.
*3 Hoymiles Monitoring System.

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REVISION/S

PROJECT INFORMATION

Project: Donald Ray
Address: 110 SW Aloe Ct., Lake City, Florida 32024

DATASHEETS

SOLAR CONTRACTOR

American Solar
Installation Company
3241 NW 38th St., Miami, FL 33142
305.260.7000



Digitally signed by Eduardo Rodriguez Velazquez
Date: 2024.07.24 17:54:28 -04'00'

This item has been digitally signed and sealed by Eduardo Rodriguez (PE) using a Digital signature and date. Printed copies of this document are not considered signed and sealed. The SHA authentication code must be verified on any electronic copy.

ENGINEER OF RECORD

EDUARDO RODRIGUEZ VELAZQUEZ P.E.
LICENSE #91287
13470 NW 8th St.
Miami, FL 33182
TEL (786) 556-5574

DATE

7/24/2024

SCALE: N.T.S.

DRAWN BY: E.R.

PAGE

DS-1

RACKING SYSTEM- RAIL

Standard Rail Lengths:

- 132"
- 168"
- 208"
- 240"

UNIRAC

1411 BROADWAY BLVD. NE
ALBUQUERQUE, NM 87102 USA
WWW.UNIRAC.COM

PRODUCT LINE: SOLARMOUNT

DRAWING TYPE: PART DETAIL

DESCRIPTION: RAIL

REVISION DATE: October 2016

DRAWING NOT TO SCALE
ALL DIMENSIONS ARE NOMINAL.

PRODUCT PROTECTED BY
ONE OR MORE US PATENTS.

LEGAL NOTICE

SM-PO1

SHEET

RACKING SYSTEM- STAND-OFF

SOLARMOUNT

UNIRAC

SOLARMOUNT defined the standard in solar racking. Features are designed to get installers off the roof faster. Our grounding & bonding process eliminates copper wire and grounding straps to reduce costs. Systems can be configured with standard or light rail to meet your design requirements at the lowest cost possible. The superior aesthetics package provides a streamlined clean edge for enhanced curb appeal, with no special brackets required for installation.

Now Featuring:
THE NEW FACE OF SOLAR RACKING
Superior Aesthetics Package

LOSE ALL OF THE COPPER & LUGS
System grounding through Enphase microinverters and trunk cables

SMALL IS THE NEXT NEW BIG THING
Light Rail is Fully Compatible with all SM Components

ENHANCED DESIGN & LAYOUT TOOLS
Featuring: Google Map Capabilities within U-Builder

FAST INSTALLATION. SUPERIOR AESTHETICS

OPTIMIZED COMPONENTS • VERSATILITY • DESIGN TOOLS • QUALITY PROVIDER

ROOF ATTACHMENT

PART TABLE

P/N	DESCRIPTION
004085M	FLASHLOC COMP KIT MILL, 20 PACK
004085D	FLASHLOC COMP KIT DARK, 20 PACK

UNIRAC

1411 BROADWAY BLVD. NE
ALBUQUERQUE, NM 87102 USA
PHONE: 505.242.6411
WWW.UNIRAC.COM

PRODUCT LINE: SOLARMOUNT

DRAWING TYPE: PART DRAWING

DESCRIPTION: FLASHLOC COMP KIT

REVISION DATE: 4/28/2020

DRAWING NOT TO SCALE
ALL DIMENSIONS ARE NOMINAL

PRODUCT PROTECTED BY
ONE OR MORE US PATENTS

LEGAL NOTICE

FL-A01

SHEET

ROOF FLASHING SEALANT

Technical Data Sheet

Polyether Technology

CSI Section No. 07 92 13

Chem Link
Construction & Maintenance
Telephone: 800-286-1681
Fax: 269-679-4448
353 E. Lyons Street
Schoolcraft, MI 49087
www.chemlink.com

Last Revision: 04/20/18
Document No. DS1270

Product Description
M-1® is a moisture curing, polyether adhesive/sealant designed for applications in damp, dry, or cold climates. M-1® is solvent free and contains no isocyanates. M-1® will not shrink upon curing, will not discolor when exposed to UV light, and can not "out-gas", or bubble on damp surfaces as urethane sealants often do. M-1® is capable of joint movement in excess of 35% in both compression and extension. M-1® can be used effectively in many difficult construction site conditions such as wet or dry climates and at temperatures as low as 32°F (0°C).

Advantages
• Solvent free, 100% solids will not shrink
• Non-slump, applies vertically and overhead
• 20 minute skin over
• No outgassing on damp surfaces
• Good color stability, will not suntan
• Paintable within 24 hours (See limitations)
• Gun grade, no special tools or mixing required
• Application at temperatures as low as 32°F (0°C)

Colors
White, Gray, Tan, Limestone & Black
*Color matching is available in batch quantity only

Applicable Performance Standards
• ASTM C920, Type S, Grade NS, Class 35
Uses NT, T, M, G, A, & O
• ASTM E84, Class A
• Federal Specification TT-S-00230-C Type II, Class B
• Corps of Engineers GRD-C-541, Type II, Class B
• Canadian Standards Board CAN 19, 13-M82
• SWR Institute Validated (Sealant Waterproofing and Restoration)

Regulatory Compliance
• Conforms to OTC Rule for Sealants and Caulks
• Meets requirements of California Regs: CARB, BAAQMD and SCAQMD
• This product does not contain cancer-causing chemicals listed in California Proposition 65.
• Conforms to USDA Requirements for Non-food Contact

Green Standards:
• LEED 2.2 for New Construction and Major Renovations
• Low Emitting Materials (Section 4.1) 1 Point
• NAHB Model Green Home Building Guidelines: 5 Global Impact Points
• VOC Content: less than 17 grams / liter ASTM D2369
EPA Method 24 (tested at 240°F / 115°C)

Packaging
• 5 oz Squeeze Tube (148 ml)
36 tubes/carton, 40 cartons/pallet
• 10.1 oz (300 ml)
24 cartridges/carton, 45 cartons/pallet
• 20 oz (600 ml)
12 sausages/carton, 40 cartons/pallet
• 28 oz (825 ml)
12 cartridges/carton, 40 cartons/pallet
White only - Other colors available by special order
• 2 and 5 gallon pails or 50 gallon drums available by special order

ISO 9001

ISO 14001

ISO 45001

ISO 50001

ISO 26001

ISO 27001

ISO 28001

ISO 29001

ISO 31001

ISO 34001

ISO 35001

ISO 36001

ISO 37001

ISO 38001

ISO 39001

ISO 40001

ISO 41001

ISO 42001

ISO 43001

ISO 44001

ISO 45001

ISO 46001

ISO 47001

ISO 48001

ISO 49001

ISO 50001

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