



255/6 PL US-AC PHOTOVOLTAIC MODULE

25% More Energy For Less Costs

- › Producing up to 25% more energy than alternative systems
- › Industry leading 30 year, 80% power guarantee on module encompassing attached micro-inverter
- › Reduces upfront costs by eliminating costly inverters, installation material and complex system designs

Easier, Faster, Safer

- › Plug and Play - simplifies installation process
- › Faster installation - saving you time and money
- › Safer installation and ownership by eliminating the danger of high voltage DC

Module Level Energy Monitoring

- › Web-based management system for 24/7 monitoring
- › Monitor real-time operating performance of every AC module

Flexible Design

- › Ideal for homes, small businesses, parking canopies, etc.
- › Suitable for any rooftop - even complex or shaded
- › Increase your system size when you want it, when you need it – module by module

Number of Cells: 60
Solar Cell Type: polycrystalline
Power class: 255 Wp

Why Choose
MAGE SOLAR USA

30 year
power guarantee

10 year
product warranty

Lowest
cost of power

MAGE SOLAR USA is synonymous with the integration of quality excellence, client proximity, and reliability in the solar industry. Ranked No. 2 most trusted service provider for installers in the U.S. (North American EV EPC Monitor 2013©), MAGE SOLAR USA's robust product line of premium quality, high performance modules include US-assembled and ARRA-compliant modules as well as market pioneering ACPV models. Featuring an industry-best 30-year power guarantee, MAGE SOLAR USA products distinguish themselves by providing end users one of the finest "Cost of Energy" propositions in solar.

255/6 PL US-AC PHOTOVOLTAIC MODULE

AC ELECTRICAL CHARACTERISTICS

AC Output Rating	208 V	240 V
AC Output Voltage (Min/Nom/Max)	183 V / 208 V / 229 V	211 V / 240 V / 264 V
Oper Freq Hz (Min/Nom/Max)	59.3 / 60.0 / 60.5	
Output Power Factor	0.99 min	
AC Max Cont Output Current	1.14 A	0.992 A
AC Max Cont Output Power	238W	
Max Units Per Branch Circuit	24(3 Pole) or 14(2 Pole)	16
Max Overcurrent Protection	20 A	
Total Harmonic Distortion	< 5%	

DC ELECTRICAL CHARACTERISTICS*

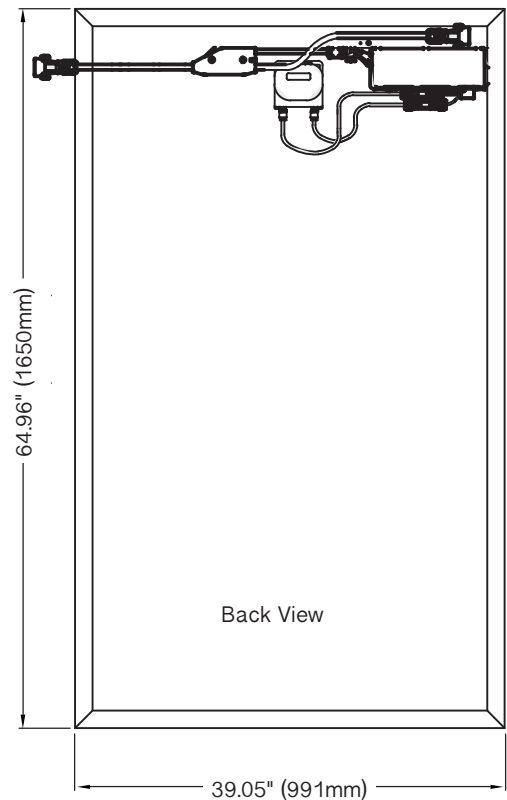
Maximum Power Rating	P _{max} [Wp]	255
Power Tolerance	[Wp]	-0/+5
Module Efficiency	n _m [%]	15.6

DC THERMAL CHARACTERISTICS

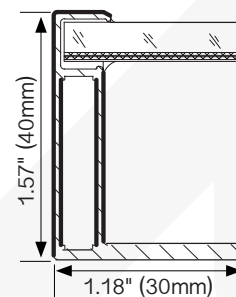
NOCT	[°C]	+ 45 ±2
Temperature Coefficient	I _{sc} [%/°C]	+ 0.053
Temperature Coefficient	V _{oc} [%/°C]	- 0.334
Temperature Coefficient	P _{mp} [%/°C]	- 0.440

TECHNICAL FACTS

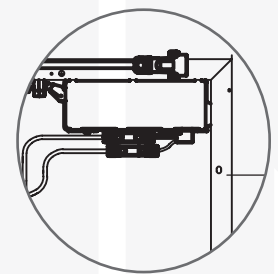
Number of Cells [Matrix]	60 [6 x 10]
Solar Cell Type	polycrystalline, 3 Bus Bar
Solar Cell Size [mm]	156 x 156
Solar Cell Size [in]	6 x 6
Dimensions LxWxH [mm]	1650 x 991 x 40
Dimensions LxWxH [in]	64.96 x 39.05 x 1.57
Weight [kg]	21.3
Weight [lbs]	47.0
Module Efficiency [%]	15.6
Solar Glass	Anti-reflective, low iron, tempered glass 3.2 mm (AR-coating)
Frame	Extruded & Anodized Aluminum Profile
Junction Box	IP Rated Enclosure, 3 Diodes
Certifications	UL 1703, ULC/ORD C-1703, IEC 61215, IEC 61730



Frame Cross-Section



Attached Micro-inverter



Power specification under standard test conditions (STC): Irradiance of 1000 W/m², spectrum AM of 1.5, and module temperature of 25°C. All MAGE SOLAR USA modules undergo flash testing and are sorted by power class and other specifications as required.

www.MageSolarUSA.com



CEC Certified



US-Assembled

1-844-624-3872 / 844-MAGE-USA

©MAGE SOLAR USA 10/2014 - All rights reserved. Specifications included in this datasheet are subject to change without notice. Products may not be applicable for all areas. Image may not represent actual module.