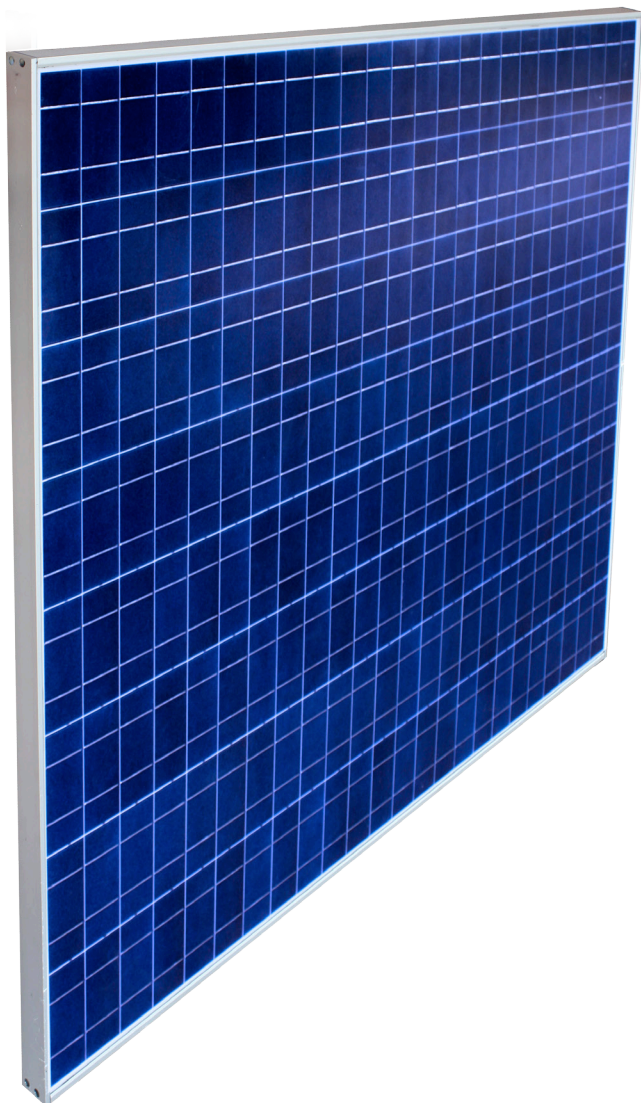


# RAIS<sup>®</sup> XT-A PV Module 410W<sub>p</sub>

» Efficient, Reliable, and Flexible Solar Solution for Industry  
Standard Racking



- » **Maximizes Energy Production:** Proprietary Cell Optimizing Technology converts more solar energy into clean electricity.
- » **Reliable production over the module's lifetime:** No single point of failure within the module, unique design minimizes humidity ingress and micro crack expansion.
- » **Safer:** Low-voltage operation with automatic shutdown eliminates lethal shock hazard and arc hazards within module and PV system.
- » **Resistant to Shading:** Unique cell matrix connections ensures output of solar module is minimally impacted by incidental shading or soiling.
- » **Storage Ready:** Integrated charge controller supports battery storage options without the expense of charge controllers.



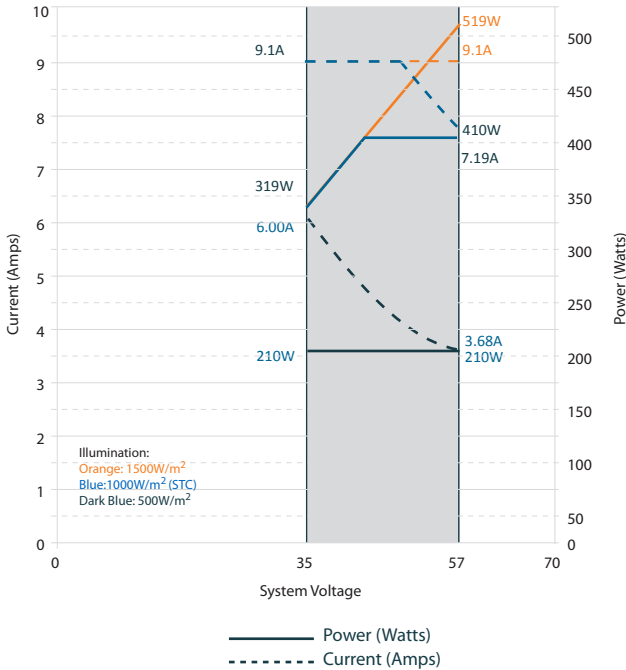
## About tenKsolar

tenKsolar designs, manufactures and markets the world's most productive and reliable solar photovoltaic solutions. Founded in 2008, tenKsolar is headquartered in Minneapolis, Minnesota. tenKsolar RAIS PV modules are ARRA compliant.

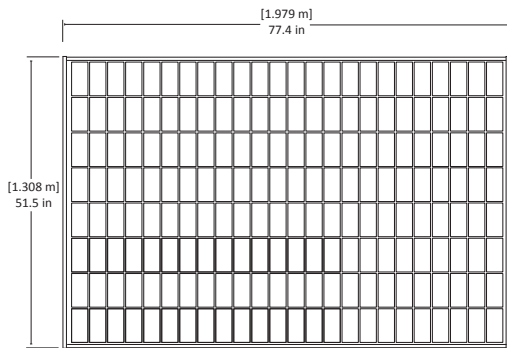


# RAIS® XT-A PV Module 410W<sub>p</sub>

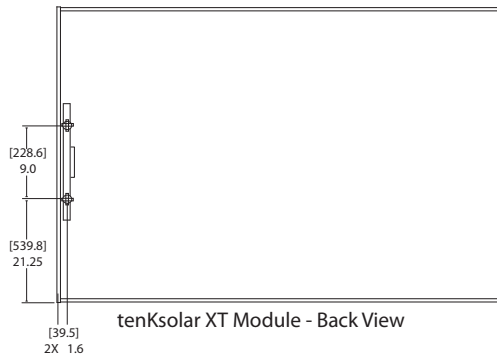
Typical IV Curve: RAIS® XT-A 410W<sub>p</sub> PV Module



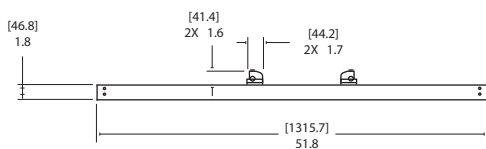
## Module Dimensions



tenKsolar XT Module - Front View



tenKsolar XT Module - Back View



tenKsolar XT Module - Side View

## Application Options

Direct Grid Connect Inverters

Battery Only Systems

Hybrid Inverters

## Specifications

Power Output at STC (P <sub>max</sub> )	410W <sub>p</sub>
Power Tolerance	+/- 3%
Cell Type	Polycrystalline Silicon
Number of Cells	192 Half Cells
Glass	3.2mm Tempered Glass
Maximum Current Output	9.1A
Maximum Series Fuse Rating	80A
DC Voltage Output	35V Minimum / 57V Maximum
Ground Fault Detect	Integrated (Compatible w/ Inverter GFDI)
Internal Ground Fault Limit	500 mA
Frame Size (not including optional extensions)	77.4" x 51" (1979mm x 1295mm)
Frame / Background	Silver / White
Backsheet Material	PET Covered Aluminum
Bypass Diodes	None
Ambient Operating Temperature Range	-40°F to 185°F (-40°C to 85°C)
Module NOCT (Nominal Operating Cell Temperature)	109°F (43°C)
Temperature Coefficient	-0.46% / °C
Static Load Capacity	50 psf / 2400 Pa
Hail Resistance	Direct 1" impact at 52mph (84kph)
Weight	71 lbs (32.2 kgs)
Certifications	UL 1703/UL 1741 IEC 61215 EN 61730
Warranty	12 Year Limited Product Warranty, 25 Year Linear Power Warranty: 3% Power Degradation First Year, 0.2% Linear Degradation per year after First Year

## Shipping Information

Max Quantity per Pallet	23
Pallet Dimensions	82 W x 55" D (1.4m x 2.1m)
Fully Loaded Pallet Weight	1735 lbs (787 kg)

Specifications and design are subject to change without notice. Read operating instructions carefully before using this product.