

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

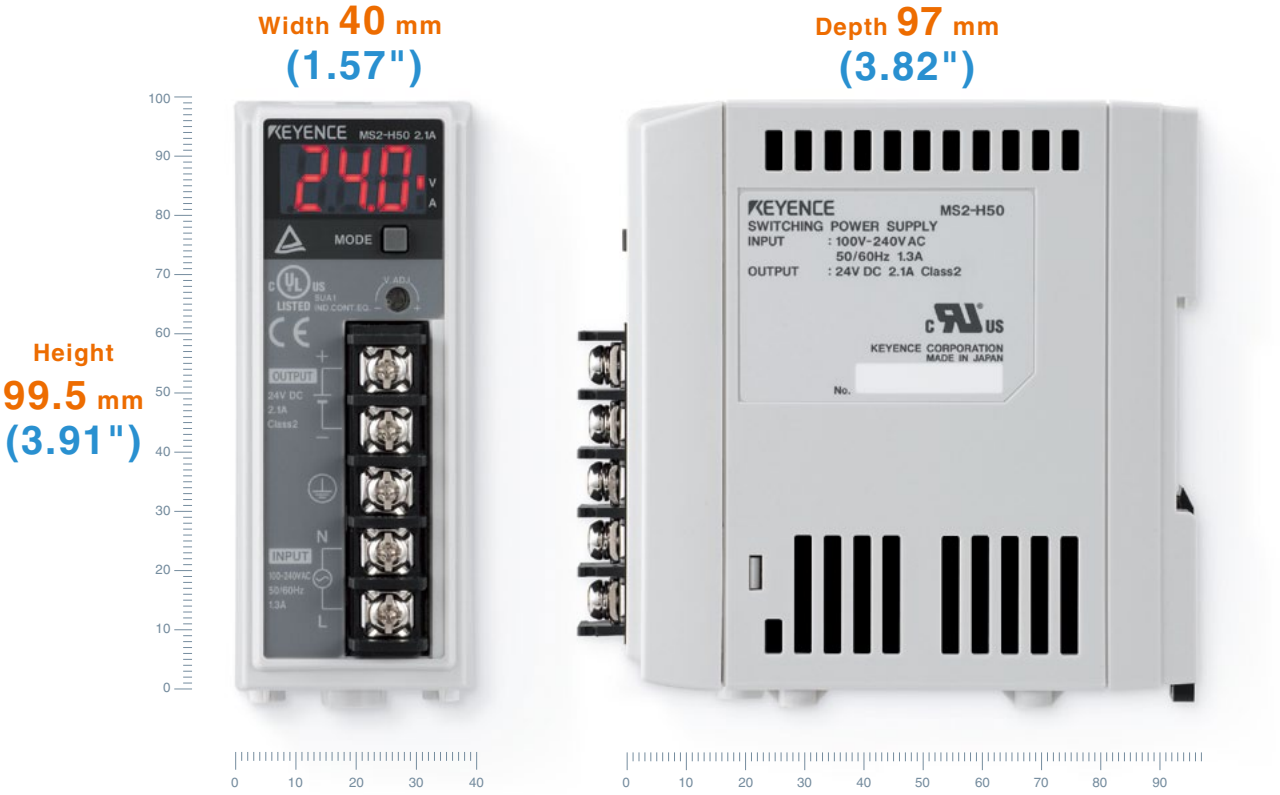
Visit our website - *Click HERE*

KEYENCE

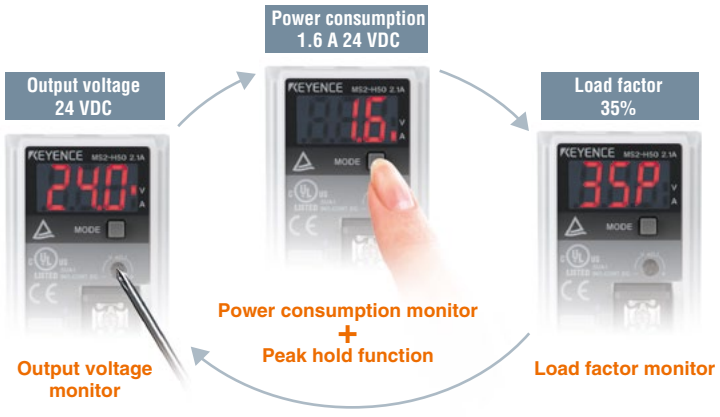
Compact Switching Power Supply
MS2 Series

Power Your Sensing Solution

- Small footprint saves valuable cabinet space.
- Digital display provides instant power consumption feedback.
- DIN rail mountable for easy installation.
- The new MS2 Series saves time and money.



At a glance, you can check:



Compact Switching Power Supply
MS2 Series

* Pictured here is the MS2-H50
(50W 24V/2.1A Class 2)

Specifications

		MS2-H50	MS2-H75	MS2-H100	MS2-H150	MS2-H300
	Model	 50 W 24 V/2.1 A	 75 W 24 V/3.2 A	 100 W 24 V/4.5 A	 150 W 24 V/6.5 A	 300 W 24 V/12.5 A
Input conditons	Rated Input voltage *1	100 to 240 VAC (85 to 264 VAC, 110 to 370 VDC)				
	Rated Frequency *1	50/60 Hz (47 to 63 Hz, DC)				
	Input current (100/200 VAC)	1.3/0.7 A max.	1.9/0.9 A max.	2.1/1.3 A max.	2.2/1.1 A max.	3.9/1.8 A max.
	Efficiency (100/200 VAC)	82%/85% typ. (with 100% load)				
	Leakage current (100/200 VAC)	0.4 mA/0.75 mA max. (with 100% load)				
	Rush current (100/200 VAC)	25 A/50 A max. (with 100% load, at 25°C 77°F cold start)				18/36 A max.
Output conditons	Rated output voltage	24 VDC				
	Adjustable voltage range	±5% (with V.ADJ)				
	Rated output current	2.1 A (Class2)	3.2 A	4.5 A	6.5 A	12.5 A
	Ripple/noise voltage	180 mVp-p max.				
	Input fluctuation	0.4 % max.				
	Load fluctuation	1.5 % max.				
	Temperature fluctuation	0.02 %/°C max.				
	Starting time	500 ms max. (at Surrounding Air Temperature of 0 to 55°C 32 to 131°F under I/O rated conditions)				
	Output holding time	20 ms min. (at Surrounding Air Temperature of 25°C 77°F under I/O rated conditions)				
Protection	Overcurrent protection	Constant current voltage limiting. Automatic reset				
		2.7 A min.	4.0 A min.	5.3 A min.	7.9 A min.	15.6 A min.
	Overvoltage protection *2	Activates when the voltage reaches 26.4 V or more. Voltage turn-off. Operation resumes when the input power is turned on again.				
Display	Display method	3-digit, 7-segment LED (Character height: 10 mm 0.39")				
	Memory backup time	Approx. 10 years (at 20°C 68°F)				
	Display resolution	0.1 A/0.1 V/1%				
Environment	Surrounding Air Temperature (for operation)	–10 to 55 °C 14 to 131°F, no condensation (See "Output conditions".)				
	Relative humidity	25 to 85%, No condensation				
	Surrounding Air Temperature (for storage)	–20 to 70°C -4 to 158 °F, No condensation				
	Withstand voltage	3.0 kVAC 50/60 Hz 1 min (across input and output terminals), 2.0 kVAC 50/60 Hz 1min (across input terminals and FG terminal)				
		500 VAC 50/60 Hz 1 min (across output terminals and FG terminal)				
	Shock	Peak acceleration: 300 m/s^2, in X, Y, and Z directions, 2 times respectively				
	Vibration	In X, Y, and Z directions, 2 hours respectively under the following conditions 10 to 57 Hz, 0.3 mm 0.01" double-amplitude, 57 to 500 Hz, 19.6 m/s^2 (2G), 5.5-minute cycle				
	Insulation resistance	100 MΩ min. (with 500 VDC megohmmeter) (across input and output terminals) (across input terminals and FG terminal)(across output terminals and FG terminal)				
Applicable standard	Safety standard	UL : UL508, UL60950-1 C-UL : CSA C22.2 No.14-M95, CSA C22.2 No.60950-1-03 EN : EN60950-1, EN50178, IEC : IEC60950-1				
	EMC standard	FCC Part15B ClassA, EN55011 ClassA, EN61000-6-2				
	Limits for harmonic current emissions	EN61000-3-2 *3				
Other	Parallel operation	Possible (OP-42207 is required.) *4				
	Serial operation	Possible (External diode is required.) *4				
	Cooling method	Natural air-cooling				
Weight		Approx. 270 g	Approx. 470 g	Approx. 490 g	Approx. 700 g	Approx. 1540 g

*1 To conform to the safety standards shown above, the rated input voltage is 100 to 240 VAC 50/60 Hz. *2 To reset the unit, turn off the input power once, wait for 1 minute or more, and then turn on the input power again.
*3 For the MS2-H100, this is applicable only when the load ratio is 70% or lower. *4 The applicable standards do not apply for parallel and serial operations.

Mounting bracket (optional)

Three types of the dedicated mounting brackets are available for a variety of mounting.
The mounting brackets allows for direct mounting on open surfaces of the console or equipment.



Front-mounting bracket

MS2-H50	**OP-51624**
MS2-H75/100	**OP-51627**
MS2-H150	**OP-42174**





Bottom-mounting bracket

MS2-H50	**OP-51625**
MS2-H75/100	**OP-51628**
MS2-H150	**OP-42175**





Side mounting bracket

MS2-H50	**OP-51626**
MS2-H75/100/150	**OP-51629**

* Can be mounted on either side.



KEYENCE

CALL TOLL FREE | TO CONTACT YOUR LOCAL OFFICE **1-888-KEYENCE** 1-888-539-3623

www.keyence.com

SAFETY INFORMATION
Please read the instruction manual carefully in order to safely operate any KEYENCE product.

GLOBAL NETWORK CONTACT YOUR NEAREST OFFICE FOR RELEASE STATUS.

KEYENCE CORPORATION OF AMERICA

Head Office 500 Park Boulevard, Suite 200, Itasca, IL 60143, U.S.A. PHONE: +1-201-930-0100 FAX: +1-855-539-0123 E-mail: keyence@keyence.com

AL Birmingham, **AR** Little Rock, **AZ** Phoenix, **CA** San Francisco, **CA** San Jose, **CA** Cupertino, **CA** Los Angeles, **CA** Irvine, **CO** Denver, **FL** Tampa, **GA** Atlanta, **IA** Iowa, **IL** Chicago, **IN** Indianapolis, **KY** Louisville, **MA** Boston, **MI** Detroit, **MI** Grand Rapids, **MN** Minneapolis, **MO** Kansas City, **MO** St. Louis, **NJ** Elmwood Park, **NY** Rochester, **NC** Charlotte, **NC** Raleigh, **OH** Cincinnati, **OH** Cleveland, **OR** Portland, **PA** Philadelphia, **PA** Pittsburgh, **SC** Greenville, **TN** Knoxville, **TN** Nashville, **TX** Austin, **TX** Dallas, **WA** Seattle, **WI** Milwaukee

KEYENCE CANADA INC.

Head Office PHONE: +1-905-366-7655 FAX: +1-905-366-1122 E-mail: keyencecanada@keyence.com
Montreal PHONE: +1-514-694-4740 FAX: +1-514-694-3206 Windsor PHONE: +1-905-366-7655 FAX: +1-905-366-1122

KEYENCE MEXICO S.A. DE C.V.

PHONE: +52-55-8850-0100 FAX: +52-81-8220-9097
E-mail: keyencemexico@keyence.com

The information in this publication is based on KEYENCE's internal research/evaluation at the time of release and is subject to change without notice.
Company and product names mentioned in this catalog are either trademarks or registered trademarks of their respective companies.
The specifications are expressed in metric units. The English units have been converted from the original metric units.
Copyright (c) 2009 KEYENCE CORPORATION. All rights reserved.

KA1-1116
MS2-KA-L-US 1116-6 611280

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP