



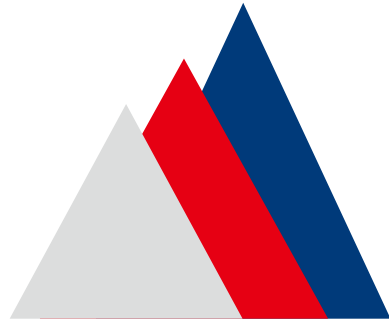
# POWER SUPPLY CATALOGUE 2018

- ▶ DC/DC Converters 01
- ▶ AC/DC Power Supplies 10
- ▶ Dedicated Power Supplies 16
- ▶ Latest Cost Cutters 20





## **FAVOTEK.** **Create For Quality Life**



### **MILESTONES**

The company was initially founded in the United States in 1996, designing and manufacturing transformers. Later on, we turned to switching mode power supply business, and released our lines of power adaptors, switching mode power supplies, power converters, and LED power supplies. We were able to combine the American advantages in semiconductors and electro-magnetic technologies, with Asian advantages in manufacturing cost and supply chain management.

For the last two decades, many of our products and technologies were at the leading edge of the power supply market. Meanwhile, the company has grown to a leading power supply company in the North America and the global market. For a better worldwide market arrangement, we had major adjustments to our organization structure in the recent years. Only a partial of power converter R&D remains in the headquarters in the United States. All other product lines were transferred to China.

In 2015, we settled our new sales and logistic center in Hong Kong. Our global sales and customer services all go through the new sales center, except for the North America market. Now, the mainstay of the company is in China, with product development and manufacturing in mainland China, sales and service center in Hong Kong, and product management in the United States.

**1996**

Company Established

**1999**

Released our first generation switching power supplies

**2003**

Started to develop and produce SMPS in Dongguan, China

**2005**

Started to implement RoHS

**2006**

Started to produce power converters in Guangzhou, China

**2012**

Started to produce LED power supplies in Hangzhou, China

**2015**

Established global sales and service center in Hong Kong, China

## MANUFACTURING SITES



### Dongguan Factory

Founded: 2003  
Employees: 1000  
Land: 20000m<sup>2</sup>  
Certificates: ISO9000, ISO14000



### Guangzhou Factory

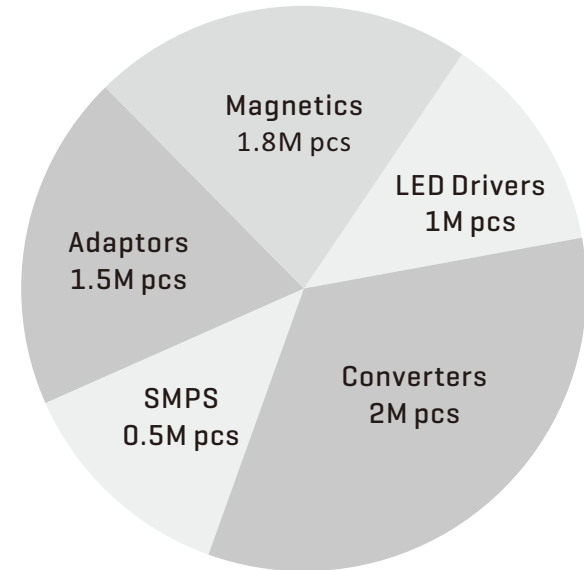
Founded: 2008  
Employees: 1200  
Land: 32000m<sup>2</sup>  
Certificates: ISO9000, ISO14000,  
OHSAS18001, TS16949



### Hangzhou Factory

Founded: 2012  
Employees: 600  
Land: 25000m<sup>2</sup>  
Certificates: ISO9000, ISO14000

## MONTHLY CAPACITY



# CONTENTS

## DC/DC Converters

- 02 Switching Regulators
- 03 Isolated, Unregulated
- 06 Isolated, Regulated

## Dedicated Power Supplies

- 17 Solar Power Use
- 18 Railway Use
- 19 LED Lighting Use

## AC/DC Power Supplies

- 11 Modules, Board Mount
- 13 Enclosed, Chassis Mount
- 14 Enclosed, DIN Rail Mount
- 15 Adaptors, External Use

## Latest Cost Cutters

- 21 DC/DC Converters
- 22 AC/DC Power Supplies

## How To Select

- 01 **FIND** your desired parameters and package type from the data tables
- 02 **REFER** to the last column in the table for product feature and optionals
- 03 **CHOOSE** the ideal product series for your application
- 04 **VISIT** [www.favotek.com](http://www.favotek.com) for complete datasheet and application notes

## DC/DC CONVERTERS

Standard power converter modules covering all segments of the electronics industries



# DC/DC CONVERTERS

## Switching Regulators

- ▶ No heatsink required
- ▶ Typical efficiency 92 ... 96%
- ▶ Ultra-wide input voltage range
- ▶ Compatible with LM78 regulators

- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Certified to UL/EN60950-1
- ▶ Meet CISPR22, EN55022 Class B

UL Certified  
 Continuous S.C.P.  
 -40--+85°C Temp. Range  
 Optional "L" pinning

IMAGE	SERIES	RATED CURRENT	INPUT VOLTAGE RANGE [VDC]	OUTPUT VOLTAGE [VDC]	EFFICIENCY [%] TYP	PACKAGE	SAFETY STANDARDS	FEATURES			
	RN0.5S	0.5A	4.75~36	3.3, 5, 12, 15	95	SIP3	UL/EN60950-1	▪	▪	▪	
	RN1.0S	1.0A	6~36	3.3, 5, 12, 15	96	SIP3	UL/EN60950-1	▪	▪	▪	
	RM0.5S	0.5A	4.75~36	3.3, 5, 9, 12, 15	95	SIP3	UL/EN60950-1	▪	▪	▪	
	RM1.0SM	1.0A	6~36	3.3, 5, 9, 12, 15	93	SIP3	UL/EN60950-1		▪	▪	
	RM1.0S	1.0A	6~36	3.3, 5, 9, 12, 15	96	SIP3	UL/EN60950-1	▪	▪	▪	▪
	RM1.5S	1.5A	4.75~18	1.5, 1.8, 2.5, 3.3, 5, 6.5	95	SIP3	UL/EN60950-1	▪	▪	▪	▪
	RM2.0S	2.0A	4.75~18	1.5, 1.8, 2.5, 3.3, 5, 6.5	92	SIP3	UL/EN60950-1	▪	▪	▪	▪
	RM0.5T	0.5A	4.75~36	1.5, 1.8, 2.5, 3.3, 5, 6.5, 9, 12, 15	93	SMD10	UL/EN62368-1		▪	▪	
	RM1.0T	1.0A	4.75~36	1.5, 1.8, 2.5, 3.3, 5, 6.5, 9, 12	93	SMD10	UL/EN62368-1		▪	▪	

# DC/DC CONVERTERS

## Isolated, Unregulated

- ▶ Cost effective selections
  - ▶ Industrial standard pinning
  - ▶ Continuous short circuit protected
  - ▶ Operating temperature up to +105°C
- ▶ 3 year warranty
  - ▶ RoHS and REACH compliant
  - ▶ Certified to UL/EN60950-1
  - ▶ Meet CISPR22, EN55022 Class B

UL Certified	Continuous S.C.P.	-40--+85°C Temp. Range	-40--+105°C Temp. Range
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IMAGE	SERIES	POWER [W]	INPUT VOLTAGE [VDC] ±10% RANGE	OUTPUT VOLTAGE [VDC]	ISOLATION [VDC]	PACKAGE	SAFETY STANDARDS	FEATURES			
	ME0.2T8	0.2	5, 12, 24	3.3, 5, 12	1500	SMD8	UL/EN60950-1	▪	▪		▪
	ME0.2T8-K3	0.2	5, 12	5	3000	SMD8	UL/EN60950-1	▪	▪		▪
	ME1T8	1	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15, 24	1500	SMD8	UL/EN60950-1	▪	▪		▪
	ME1T8-K3	1	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15, 24	3000	SMD8	UL/EN60950-1	▪	▪		▪
	ME1T10	1	3.3, 5, 12, 15, 24	±5, ±9, ±12, ±15, ±24	1500	SMD10	UL/EN60950-1	▪	▪		▪
	ME1T10-K3	1	3.3, 5, 12, 15, 24	±5, ±9, ±12, ±15, ±24	3000	SMD10	UL/EN60950-1	▪	▪		▪
	ME1S4	1	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15, 24	1500	SIP4	UL/EN60950-1	▪	▪		▪
	ME1S4-K3	1	3.3, 5, 12, 24	3.3, 5, 9, 12, 15	3000	SIP4	UL/EN60950-1	▪		▪	
	ME1S7	1	3.3, 5, 9, 12, 15, 24	3.3, 5, 9, 12, 15, 24, ±5, ±9, ±12, ±15, ±24	1500	SIP7	UL/EN60950-1	▪	▪		▪
	ME1S7-B	1	5, 12, 24	5/5, 9/9, 12/12, 15/15, 24/24	1000	SIP7	UL/EN60950-1	▪		▪	

# DC/DC CONVERTERS

## Isolated, Unregulated

- ▶ Cost effective selections
- ▶ Industrial standard pinning
- ▶ Continuous short circuit protected
- ▶ Operating temperature up to +105°C

- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Certified to UL/EN60950-1
- ▶ Meet CISPR22, EN55022 Class B

UL Certified

Continuous S.C.P.

-40--+85°C Temp. Range

-40--+105°C Temp. Range

IMAGE	SERIES	POWER [W]	INPUT VOLTAGE [VDC] ±10% RANGE	OUTPUT VOLTAGE [VDC]	ISOLATION [VDC]	PACKAGE	SAFETY STANDARDS	FEATURES			
	ME1S7-K3	1	3.3, 5, 9, 12, 15, 24	3.3, 5, 9, 12, 15, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	3000	SIP7	UL/EN60950-1	▪	▪		▪
	ME1S7-K6	1	5, 9, 12, 15, 24	3.3, 5, 9, 12, 15, 24, ±5, ±7.2, ±9, ±12, ±15	6000	SIP7	UL/EN60950-1	▪	▪		▪
	ME1D8	1	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15, 24	1500	DIP8	UL/EN60950-1	▪	▪		▪
	ME1D8-K3	1	3.3, 5, 12, 24	3.3, 5, 9, 12, 15	3000	DIP8	UL/EN60950-1	▪		▪	
	ME1D14	1	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15, 24, ±5, ±9, ±12, ±15	1500	DIP14	UL/EN60950-1	▪			▪
	ME1D14-K3	1	3.3, 5, 12, 15, 24	3.3, 5, 12, 15 ±5, ±12, ±15	3000	DIP14	UL/EN60950-1	▪	▪		▪
	ME2T8	2	5, 12, 15, 24	3.3, 5, 9, 12, 15, 24	1500	SMD8	UL/EN60950-1	▪			▪
	ME2T8-K3	2	5, 12, 15, 24	5, 9, 12, 15, 24	3000	SMD8	UL/EN60950-1	▪			▪
	ME2S4	2	5, 24	5	1500	SIP4	UL/EN60950-1	▪	▪	▪	
	ME2S7	2	5, 9, 12, 15, 24	3.3, 5, 9, 12, 15, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1500	SIP7	UL/EN60950-1	▪	▪		▪



# DC/DC CONVERTERS

Isolated, Unregulated

- ▶ Cost effective selections
- ▶ Industrial standard pinning
- ▶ Continuous short circuit protected
- ▶ Operating temperature up to +105°C
- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Certified to UL/EN60950-1
- ▶ Meet CISPR22, EN55022 Class B

UL Certified	Continuous S.C.P.	-40--+85°C Temp. Range	-40--+105°C Temp. Range
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IMAGE	SERIES	POWER [W]	INPUT VOLTAGE [VDC] ±10% RANGE	OUTPUT VOLTAGE [VDC]	ISOLATION [VDC]	PACKAGE	SAFETY STANDARDS	FEATURES			
	ME2S7-K3	2	5, 12, 15, 24	3.3, 5, 9, 12, 15, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	3000	SIP7	UL/EN60950-1	▪	▪		▪
	ME2D14	2	3.3, 5, 9, 12, 15, 24	3.3, 5, 9, 12, 15, 24, ±5, ±9, ±12, ±15, ±24	1500	DIP14	UL/EN60950-1	▪	▪	▪	
	ME2D14-K3	2	5, 12, 15, 24	5, 9, 12, 15, 24, ±5, ±9, ±12, ±15, ±24	3000	DIP14	UL/EN60950-1	▪	▪	▪	

# DC/DC CONVERTERS

Isolated, Regulated

- ▶ Input voltage range 2:1 or 4:1
- ▶ Optional remote On/Off and Trim
- ▶ Up to 20W in 1"x1", 50W in 2"x1" package
- ▶ Optional SIP, DIP, Chassis and DIN Rail mount
- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Certified to UL/EN60950-1
- ▶ Meet CISPR22, EN55022 Class B

UL Certified / Pending

Remote On/Off Control

Output Trim / Sense

Optional DIN Rail Chassis

IMAGE	SERIES	POWER [W]	INPUT VOLTAGE RANGE [VDC]	OUTPUT VOLTAGE [VDC]	ISOLATION [VDC]	PACKAGE	SAFETY STANDARDS	FEATURES			
	MR1T	1	5, 12, 24 [±5%]	3.3, 5, 12, 15	1500	SMD10	UL/EN60950-1				
	MR1T-K3	1	5, 12, 24 [±5%]	3.3, 5, 12, 15	3000	SMD10	UL/EN60950-1				
	MR1S	1	5, 12, 15, 24 [±5%]	3.3, 5, 9, 12, 15, 24	1000	SIP7	UL/EN60950-1				
	MR1S-K3	1	5, 12, 24 [±5%]	5, 9, 12, 15	3000	SIP7	UL/EN60950-1				
	MV1S	1	4.5~9, 9~18, 18~36, 36~75	3.3, 5, 9, 12, 15, 24, ±5, ±9, ±12, ±15	1500	SIP8	UL/EN60950-1				
	MV1S-K3	1	4.5~9, 9~18, 18~36, 36~75	3.3, 5, 9, 12, 15, 24, ±5, ±12, ±15	1500	SIP8	UL/EN60950-1				
★	MU1S	1	9~36	3.3, 5, 9, 12, 15, 24 ±5, ±9, ±12, ±15	1500	SIP8	UL/EN60950-1	■	■		
★	MU1S-K3	1	9~36	3.3, 5, 9, 12, 15, 24, ±5, ±9, ±12, ±15	3000	SIP8	UL/EN60950-1	■	■		
	MR2S	2	5, 12, 15, 24 [±5%]	5, 12, 15	1000	SIP7	UL/EN60950-1				
	MR2S-K3	2	5, 12, 24 [±5%]	5	3000	SIP7	UL/EN60950-1				

★ Starts denote new products that maybe not yet available for volume production.

# DC/DC CONVERTERS

Isolated, Regulated

- ▶ Input voltage range 2:1 or 4:1
- ▶ Optional remote On/Off and Trim
- ▶ Up to 20W in 1"x1", 50W in 2"x1" package
- ▶ Optional SIP, DIP, Chassis and DIN Rail mount
- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Certified to UL/EN60950-1
- ▶ Meet CISPR22, EN55022 Class B

UL Certified / Pending  
Remote On/Off Control  
Output Trim / Sense  
Optional DIN Rail Chassis

IMAGE	SERIES	POWER [W]	INPUT VOLTAGE RANGE [VDC]	OUTPUT VOLTAGE [VDC]	ISOLATION [VDC]	PACKAGE	SAFETY STANDARDS	FEATURES			
	MU3T	3	9~36, 18~75	5, 12, 15, 24	1500	SMD14	UL/EN60950-1	▪	▪		
	MV3S	3	4.5~9, 9~18, 18~36, 36~75	3.3, 5, 9, 12, 15, 24 ±5, ±9, ±12, ±15, ±24	1500	SIP8	UL/EN60950-1		▪		
	MV3S-K3	3	4.5~9, 9~18, 18~36, 36~75	3.3, 5, 9, 12, 15, 24 ±5, ±9, ±12, ±15	3000	SIP8	UL/EN60950-1		▪		
★	MU3S	3	9~36	3.3, 5, 9, 12, 15, 24 ±5, ±9, ±12, ±15	1500	SIP8	UL/EN60950-1	▪	▪		
★	MU3S-K3	3	9~36	3.3, 5, 9, 12, 15, 24 ±5, ±9, ±12, ±15	3000	SIP8	UL/EN60950-1	▪	▪		
	MV3D	3	4.5~9, 9~18, 18~36, 36~75	3.3, 5, 12, 15, 24 ±5, ±9, ±12, ±15	1500	DIP24 Plastic	UL/EN60950-1		▪		
	MV3D-C	3	4.5~9, 9~18, 18~36, 36~75	3.3, 5, 12, 15, 24 ±5, ±9, ±12, ±15	1500	DIP24 Metal	UL/EN60950-1		▪		
	MV3D-K3	3	4.5~9, 9~18, 18~36, 36~75	3.3, 5, 12, 15, 24 ±3.3, ±5, ±9, ±12, ±15	3000	DIP24 Plastic	UL/EN60950-1		▪		
★	MU6S	6	9~36	3.3, 5, 9, 12, 15, 24	1600	SIP8	UL/EN60950-1	▪	▪		
	MU6D	6	9~36, 18~75	3.3, 5, 9, 12, 15, 24 ±5, ±9, ±12, ±15, ±24	1500	DIP24 Metal	UL/EN60950-1		▪		

★ Starts denote new products that maybe not yet available for volume production.

# DC/DC CONVERTERS

Isolated, Regulated

- ▶ Input voltage range 2:1 or 4:1
- ▶ Optional remote On/Off and Trim
- ▶ Up to 20W in 1"x1", 50W in 2"x1" package
- ▶ Optional SIP, DIP, Chassis and DIN Rail mount

- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Certified to UL/EN60950-1
- ▶ Meet CISPR22, EN55022 Class B

UL Certified / Pending

Remote On/Off Control

Output Trim / Sense

Optional DIN Rail Chassis

IMAGE	SERIES	POWER [W]	INPUT VOLTAGE RANGE [VDC]	OUTPUT VOLTAGE [VDC]	ISOLATION [VDC]	PACKAGE	SAFETY STANDARDS	FEATURES				
	MU6D-K3	6	9~36, 18~75	3.3, 5, 9, 12, 15, 24 ±5, ±12, ±15	3000	DIP24 Plastic	UL/EN60950-1	▪				
	MU6D-K6	6	9~36, 18~75	5, 9, 12, 15, 24	6000	DIP24 Plastic	UL/EN60950-1					
	MU6G	6	9~36, 18~75	3.3, 5, 9, 12, 15, 24 ±5, ±12, ±15, ±24	1500	DIP1"x1" Metal	UL/EN60950-1	▪				▪
★	MV10S	10	9~18, 18~36	3.3, 5, 9, 12, 15, 24	1600	SIP8	UL/EN60950-1	▪	▪			
	MU10D	10	9~36, 18~75	12, 15, 24 ±5, ±12, ±15	1500	DIP24 Metal	UL/EN60950-1	▪	▪			
	MU10G	10	9~36, 18~75	3.3, 5, 9, 12, 15, 24 ±5, ±9, ±12, ±15, ±24	1500	DIP1"x1" Metal	UL/EN60950-1	▪	▪			▪
	MU10H	10	9~36, 18~75	3.3, 5, 12, 15, 24 ±5, ±12, ±15	1500	DIP2"x1" Metal	UL/EN60950-1	▪	▪			▪
	MU10H-K3	10	9~36, 18~75	3.3, 5, 9, 12, 15, 24	3000	DIP2"x1" Plastic	UL/EN60950-1	▪	▪			▪
★	MU15G	15	9~36, 18~75	3.3, 5, 9, 12, 15, 24 ±5, ±9, ±12, ±15, ±24	1500	DIP1"x1" Metal	UL/EN60950-1	▪	▪			▪
	MV15H	15	9~18, 18~36, 36~75	3.3, 5, 12, 15, 24 ±5, ±12, ±15, ±24	1500	DIP2"x1" Metal	UL/EN60950-1		▪	▪		▪

★ Starts denote new products that maybe not yet available for volume production.

# DC/DC CONVERTERS

Isolated, Regulated

- ▶ Input voltage range 2:1 or 4:1
- ▶ Optional remote On/Off and Trim
- ▶ Up to 20W in 1"x1", 50W in 2"x1" package
- ▶ Optional SIP, DIP, Chassis and DIN Rail mount
- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Certified to UL/EN60950-1
- ▶ Meet CISPR22, EN55022 Class B

UL Certified / Pending  
 Remote On/Off Control  
 Output Trim / Sense  
 Optional DIN Rail Chassis

IMAGE	SERIES	POWER [W]	INPUT VOLTAGE RANGE [VDC]	OUTPUT VOLTAGE [VDC]	ISOLATION [VDC]	PACKAGE	SAFETY STANDARDS	FEATURES			
	MU20G	20	9~36, 18~75	3.3, 5, 12, 15, 24 ±5, ±12, ±15, ±24	1500	DIP1"x1" Metal	UL/EN60950-1	■	■	■	■
	MU20H	20	9~36, 18~75	3.3, 5, 9, 12, 15, 24 ±5, ±9, ±12, ±15	1500	DIP2"x1" Metal	UL/EN60950-1	■	■	■	■
	MU20H-K3	20	9~36, 18~75	3.3, 5, 9, 12, 15, 24	3000	DIP2"x1" Plastic	UL/EN60950-1	■	■	■	■
	MU30H	30	9~36, 18~75	3.3, 5, 9, 12, 15, 24	1500	DIP2"x1" Metal	UL/EN60950-1	■	■	■	■
	MV30H	30	18~36, 36~75	3.3, 5, 12, 15, 24 ±15, ±24	1500	DIP2"x1" Metal	UL/EN60950-1	■	■	■	■
	MV50H	50	18~36, 36~75	3.3, 5, 12, 15, 24	1500	DIP2"x1" Metal	UL/EN60950-1	■	■	■	■
★	MU75BQ	75	18~75	5, 12, 15, 24, 48	2250	DIP 1/4 BRICK	UL/EN60950-1	■	■	■	■
★	MU100BQ	100	18~75	5, 12, 15, 24, 48	2250	DIP 1/4 BRICK	UL/EN60950-1	■	■	■	■
★	MU150BQ	150	18~75	12, 24, 48	2250	DIP 1/4 BRICK	UL/EN60950-1	■	■	■	■
★	MU200BQ	200	18~75	12, 24, 48	2250	DIP 1/4 BRICK	UL/EN60950-1	■	■	■	■

★ Starts denote new products that maybe not yet available for volume production.

A photograph of a server room with rows of server racks on both sides of a central aisle. The racks are filled with equipment, and some have glowing lights. The floor is light-colored and reflective. The ceiling has recessed lighting fixtures. A white door with a green exit sign is visible at the end of the aisle.

## AC/DC POWER SUPPLIES

A variety of switching power supplies  
for industrial and commercial grade  
applications

# AC/DC POWER SUPPLIES

Modules, Board Mount

- ▶ Universal AC input voltage range
- ▶ Low ripple and noise, only 50mV typical
- ▶ Operating temperature down to -40°C
- ▶ Optional SIP, DIP, Chassis and DIN Rail mount
- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Certified to UL/EN60950-1
- ▶ Meet CISPR22, EN55022 Class B

UL Certified  
Class II Power, No FG  
Meet EN55022 Class B  
Optional DIN Rail Chassis

IMAGE	SERIES	POWER [W]	INPUT VOLTAGE RANGE [VAC]	OUTPUT VOLTAGE [VDC]	ISOLATION [VAC]	PACKAGE and SIZE [mm]	SAFETY STANDARDS	FEATURES			
	PNS3	3	85~264	3.3, 5, 9, 12, 15, 24	3000	SIP, Open Frame 35x11x18	UL/EN60950-1	▪	▪	▪	
	PNS5	5	85~264	3.3, 5, 9, 12, 15, 24	3000	SIP, Open Frame 42x13.65x20	UL/EN60950-1	▪	▪	▪	
	PMS3	3	85~264	3.3, 5, 9, 12, 15, 24	3000	DIP 37x24.5x18	UL/EN60950-1	▪	▪	▪	
	PMS5	5	85~264	3.3, 5, 9, 12, 15, 24	4000	DIP / Chassis 50.8x25.4x15.2	UL/EN60950-1	▪	▪	▪	▪
	PMS10	10	85~264	3.3, 5, 9, 12, 15, 24	4000	DIP / Chassis 53.8x28.8x19	UL/EN60950-1	▪	▪	▪	▪
	PMS20	20	85~264	3.3, 5, 9, 12, 15, 24	4000	DIP / Chassis 53.8x28.8x23.5	UL/EN60950-1	▪	▪	▪	▪
	PMA5	5	85~264	3.3, 5, 9, 12, 15, 24, ±5, ±12, ±15, ±24, 5/5, 5/12, 5/15, 5/24, TRIPLE	3000	DIP / Chassis 48.5x36x20.5	UL/EN60950-1	▪		▪	▪
	PMA10	10	85~264	3.3, 5, 9, 12, 15, 24, ±5, ±12, ±15, ±24, 5/5, 5/12, 5/15, 5/24, TRIPLE	3000	DIP / Chassis 55x45x21	UL/EN60950-1	▪		▪	▪
	PMA15	15	85~264	3.3, 5, 9, 12, 15, 24, 48, ±5, ±12, ±15, ±24, 5/5, 5/12, 5/15, 5/24, TRIPLE	3000	DIP / Chassis 62x45x22.5	UL/EN60950-1	▪		▪	▪
	PMA20	20	85~264	3.3, 5, 9, 12, 15, 24, 48, ±5, ±12, ±15, 5/12, 5/15, 5/24, TRIPLE	3000	DIP / Chassis 70x48x23.5	UL/EN60950-1	▪		▪	▪

# AC/DC POWER SUPPLIES

Modules, Board Mount

- ▶ Universal AC input voltage range
- ▶ Low ripple and noise, only 50mV typical
- ▶ Operating temperature down to -40°C
- ▶ Optional SIP, DIP, Chassis and DIN Rail mount
- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Certified to UL/EN60950-1
- ▶ Meet CISPR22, EN55022 Class B

UL Certified  
Class II Power, No FG  
Meet EN55022 Class B  
Optional DIN Rail Chassis

IMAGE	SERIES	POWER [W]	INPUT VOLTAGE RANGE [VAC]	OUTPUT VOLTAGE [VDC]	ISOLATION [VAC]	PACKAGE and SIZE [mm]	SAFETY STANDARDS	FEATURES			
	PMA25	25	85~264	3.3, 5, 9, 12, 15, 24, 48	3000	DIP / Chassis 70x48x23.5	UL/EN60950-1	▪		▪	▪
	PMA40	40	85~264	3.3, 5, 9, 12, 15, 24, ±5, ±12, ±15, 5/12, 5/24	3000	DIP / Chassis 89x63.5x25	UL/EN60950-1	▪	▪	▪	▪
	PMA60	60	85~264	5, 9, 12, 15, 24, 48	4000	DIP / Chassis 109x58.5x30	UL/EN60950-1	▪		▪	▪
★	PMAU5	5	85~305	3.3, 5, 9, 12, 15, 24	3000	DIP 55x45x21	UL/EN60950-1	▪		▪	
★	PMAU10	10	85~305	3.3, 5, 9, 12, 15, 24	3000	DIP 55x45x21	UL/EN60950-1	▪		▪	
★	PMAU15	15	85~305	3.3, 5, 9, 12, 15, 24, 48	3000	DIP 62x45x22.5	UL/EN60950-1	▪		▪	
★	PMAU20	20	85~305	3.3, 5, 9, 12, 15, 24	3000	DIP 70x48x23.5	UL/EN60950-1	▪		▪	
★	PMAU25	25	85~305	3.3, 5, 9, 12, 15, 24, 48	3000	DIP 70x48x23.5	UL/EN60950-1	▪		▪	

★ Starts denote new products that maybe not yet available for volume production.



# AC/DC POWER SUPPLIES

## Enclosed, Chassis Mount

- ▶ Universal AC input voltage range
- ▶ Up to 60A output, 90% efficiency
- ▶ Compact size, and high power density
- ▶ OVP, OTP, OLP, SCP and TRIM functions
- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Certified to IEC/EN60950-1
- ▶ Meet CISPR32, EN55032 Class B

CE Certified  
 Meet EN55032 Class B  
 Output Trim  
 Forced Air Cooling

IMAGE	SERIES	POWER [W]	INPUT VOLTAGE RANGE [VAC]	OUTPUT VOLTAGE [VDC]	ISOLATION [VAC]	PACKAGE and SIZE [mm]	SAFETY STANDARDS	FEATURES			
	PEA35	35	90~264	5, 12, 15, 24, 36, 48	3000	Chassis Mount 99x82x30	IEC/EN60950-1	▪	▪	▪	
	PEA50	50	90~264	5, 12, 15, 24, 36, 48	3000	Chassis Mount 99x82x30	IEC/EN60950-1	▪	▪	▪	
	PEA75	75	90~264	5, 12, 15, 24, 36, 48	3000	Chassis Mount 99x97x30	IEC/EN60950-1	▪	▪	▪	
	PEA100	100	90~264	5, 12, 15, 24, 36, 48	3000	Chassis Mount 129x97x30	IEC/EN60950-1	▪	▪	▪	
	PEA150	150	90~132, 180~264	5, 12, 15, 24, 36, 48	3000	Chassis Mount 159x97x30	IEC/EN60950-1	▪	▪	▪	
	PEA200	200	90~132, 180~264	5, 12, 15, 24, 36, 48	3000	Chassis Mount 215x115x30	IEC/EN60950-1	▪	▪	▪	
	PEA350	350	90~132, 180~264	5, 12, 15, 24, 36, 48	3000	Chassis Mount 215x115x30	IEC/EN60950-1	▪	▪	▪	▪

# AC/DC POWER SUPPLIES

Enclosed, DIN Rail Mount

- ▶ Universal AC input voltage range
- ▶ Active PFC, typical efficiency up to 92%
- ▶ Compact size, and high power density
- ▶ OVP, OCP, OTP and TRIM functions
- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Certified to UL/EN60950-1
- ▶ Meet CISPR22, EN55022 Class B

UL Certified  
Meet EN55022 Class B  
Output Trim  
Active PFC

IMAGE	SERIES	POWER [W]	INPUT VOLTAGE RANGE [VAC]	OUTPUT VOLTAGE [VDC]	ISOLATION [VAC]	PACKAGE and SIZE [mm]	SAFETY STANDARDS	FEATURES			
	PDA15	15	90~264	5, 12, 24	3000	DIN Rail 108x22.5x95	UL/EN60950-1	▪	▪	▪	
	PDA30	30	90~264	12, 24	3000	DIN Rail 108x36x95	UL/EN60950-1	▪	▪	▪	
	PDA50	50	90~264	24, 48	3000	DIN Rail 125x30x130	UL/EN60950-1	▪	▪	▪	
	PDA70	70	90~264	24, 48	3000	DIN Rail 125x33x130	UL/EN60950-1	▪	▪	▪	
	PDA120	120	90~264	24, 48	3000	DIN Rail 125x40x130	UL/EN60950-1	▪	▪	▪	
	PDA180	180	90~264	24, 48	3000	DIN Rail 125x50x130	UL/EN60950-1	▪	▪	▪	▪
	PDA240	240	90~264	24, 48	3000	DIN Rail 125x60x130	UL/EN60950-1	▪	▪	▪	▪

# AC/DC POWER SUPPLIES

Adaptors, External Use

- ▶ Meet COC V5 and DOE VI
- ▶ Interchangeable AC blade options
- ▶ Optional multiple USB and DC plug
- ▶ Optional Qualcomm Quick Charge 3.0

- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Meet CISPR22, EN55022 Class B
- ▶ Meet international safety standards

Changeable AC Blade	Meet COC V5 and DOE VI	Meet EN55022 Class B	Qualcomm Quick Charge
---------------------	------------------------	----------------------	-----------------------

IMAGE	SERIES	POWER [W]	INPUT VOLTAGE RANGE [VAC]	OUTPUT	EFFICIENCY [%] TYP	PACKAGE and SIZE [mm]	SAFETY STANDARDS	FEATURES				
	PAC1200	5 ... 12	90~264	5 ... 12V, 2.4A Max USB 1x or 2x	78 ... 85%	Wall Plug 42x39x28	CE, PSE		▪	▪		
	PAC1300	5 ... 12	90~264	5 ... 12V, 2.4A Max USB 1x	78 ... 85%	Wall Plug 50x25.5x47.2	CE, BS	▪	▪	▪		
	PAC1800	12 ... 18	90~264	3.6 ... 12V, 3.5A Max USB 1x, 2x or Type C	78 ... 85%	Wall Plug 42.5x42.5x36.5	UL, CE, BS, AN/NZS	▪	▪	▪	▪	
	PAC3600	24 ... 42	90~264	3.6 ... 24V, 3A Max USB 1x, 2x or 4x	80 ... 88%	Wall Plug 63x60x30	UL, CE, BS, AN/NZS	▪	▪	▪	▪	
	PAC6000	36 ... 60	90~264	5 ... 24V, 3A Max USB and/or Cable with DC plug	78 ... 88%	Wall Plug 70x65x30	UL, CE, BS, AN/NZS	▪	▪	▪		
	PAS1300	5 ... 12	90~264	3.3 ... 12V, 2A Max Cable with DC plug or Tin wire	75 ... 83%	Wall Plug 56.3x28.3x42.7	UL/EN60950-1		▪	▪		
	PAD7200	40 ... 80	90~264	12 ... 48V, 5A Max Cable with DC plug or Tin wire	80 ... 92%	Desk Top 128.5x51.5x31.8	UL/EN60950-1		▪	▪		
	PAD10000	60 ... 100	90~264	12 ... 48V, 5A Max Cable with DC plug or Tin wire	80 ... 92%	Desk Top 118.5x53x30	UL/EN60950-1		▪	▪		

## DEDICATED POWER SUPPLIES

Power supplies designed and certified to use in solar, railway, LED lighting applications



# DEDICATED POWER SUPPLIES

## Solar Power Use

- ▶ Ultra-wide input voltage range
- ▶ UVP, OVP, OCP and SCP functions
- ▶ Optional Chassis or DIN Rail mount
- ▶ Optimized design for photovoltaic applications

- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Meet UL1741/CSA-C22.2 No.107.1, EN62109
- ▶ Meet CISPR22, EN55022 Class B

Meet EN55022 Class A  
-25--+70°C Temp. Range  
-40--+70°C Temp. Range  
Optional DIN Rail Chassis

IMAGE	SERIES	POWER [W]	INPUT VOLTAGE RANGE [VDC]	OUTPUT VOLTAGE [VDC]	ISOLATION	PACKAGE and SIZE [mm]	SAFETY STANDARDS	FEATURES					
	MSA15	15	100 ~ 1200	12, 15, 24	4KVDC	DIP / Chassis 70x48x23.5	UL/EN60950-1	▪	▪	▪			
	MSA40	40	200 ~ 1200	12, 15, 24	4KVDC	DIP / Chassis 89x63.5x25	UL/EN60950-1	▪	▪	▪			
★	MSB15	15	200 ~ 1200	12, 15, 24	4KVDC	DIP / Chassis 70x48x23.5	UL/EN60950-1	Class B		▪			
★	MSB40	40	200 ~ 1200	12, 15, 24	4KVDC	DIP / Chassis 89x63.5x25	UL/EN60950-1	Class B		▪			
	MSE15	15	200 ~ 1500	5, 12, 15, 24	4KVAC	DIP / Chassis 125x75x40	UL1741, EN62109 CSA-C22.2 No.107.1	▪		▪	▪		
	MSE40	40	200 ~ 1500	12, 15, 24	4KVAC	DIP / Chassis 125x75x40	UL1741, EN62109 CSA-C22.2 No.107.1	▪		▪	▪		
★	MSE100	100	200 ~ 1500	24, 48	4KVAC	DIP / Chassis 125x75x40	UL1741, EN62109 CSA-C22.2 No.107.1	▪		▪	▪		
★	MSE200	200	200 ~ 1500	24, 48	4KVAC	DIP / Chassis 125x75x40	UL1741, EN62109 CSA-C22.2 No.107.1	▪		▪	▪		

★ Starts denote new products that maybe not yet available for volume production.

# DEDICATED POWER SUPPLIES

## Railway Use

- ▶ Input voltage range 40~160VDC
- ▶ UVP, OVP, OCP and SCP functions
- ▶ Optional DIP, Chassis and DIN Rail mount
- ▶ Optimized design for railway applications

- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Meet EN50155, UL/EN60950-1
- ▶ Meet CISPR32, EN55032 Class B

Meet EN55032 Class B

Remote On/Off Control

Output Trim / Sense

Optional DIN Rail Chassis

IMAGE	SERIES	POWER [W]	INPUT VOLTAGE RANGE [VDC]	OUTPUT VOLTAGE [VDC]	ISOLATION [VDC]	PACKAGE	SAFETY STANDARDS	FEATURES			
	MA6G	6	40~160	5, 12, 15, 24 ±5, ±12, ±15	2250	DIP1"x1" Metal	EN50155 UL/EN60950-1		▪		▪
	MA10H	10	40~160	3.3, 5, 12, 15, 24	2250	DIP2"x1" Metal	EN50155 UL/EN60950-1				▪
	MA15H	15	40~160	3.3, 5, 12, 15, 24	2250	DIP2"x1" Metal	EN50155 UL/EN60950-1		▪	▪	▪
	MA20H	20	40~160	3.3, 5, 12, 15, 24	2250	DIP2"x1" Metal	EN50155 UL/EN60950-1		▪	▪	▪
	MA40H	40	40~160	3.3, 5, 12, 15, 24	3000	DIP2"x1" Metal	EN50155 UL/EN60950-1		▪	▪	▪
★	MA50BQ	50	66~160	3.3, 5, 12, 15, 24	3000	DIP 1/4 BRICK	EN50155 EN55032	▪	▪	▪	
★	MA75BQ	75	66~160	5, 12, 15, 24	3000	DIP 1/4 BRICK	EN50155 EN55032	▪	▪	▪	
★	MA100BQ	100	66~160	12, 15, 24	3000	DIP 1/4 BRICK	EN50155 EN55032	▪	▪	▪	
★	MA150BH	150	50~160	12, 15, 24	3000	DIP 1/2 BRICK	EN50155 EN55032	▪	▪	▪	
★	MA250BH	250	66~160	24, 48	3000	DIP 1/2 BRICK	EN50155 EN55032	▪	▪	▪	

★ Starts denote new products that maybe not yet available for volume production.

# DEDICATED POWER SUPPLIES

## LED Lighting Use

- ▶ Active power factor correction
- ▶ Build-in 3 in 1 dimming function
- ▶ Typical efficiency exceeds 90% for 100W and above
- ▶ Both output voltage and current are programmable with switches or NFC controller
- ▶ Up to 5 year warranty
- ▶ RoHS and REACH compliant
- ▶ IP20 ... IP67 for indoor to outdoor applications
- ▶ Operating temperature range up to -35~+70°C
- ▶ Approved to international safety standards for lighting

IMAGE	SERIES	POWER [W]	INPUT VOLTAGE RANGE [VAC]	OUTPUT	EFFICIENCY [%] TYP	OPERATING TEMP. RANGE [°C]	SAFETY STANDARDS	FEATURES			
								IP Rating	Power Factor Correction	Output Programming	Optional Dimming
	LSA	10, 12, 15, 20, 25, 30, 35, 40, 45	90~264	0.24 ... 1.05A, 9 ... 129V Max Constant Current Mode	86 ... 90%	-25~+70°C	EN61347 EN55015	IP20	>0.90		
	LSB	8, 18, 25, 40	90~264	0.24 ... 1.05A, 13 ... 110V Max Constant Current Mode	82 ... 90%	-25~+50°C	EN61347 EN55015	IP20	>0.90		
	LLA	20, 40, 60	90~305	0.35 ... 1.55A, 27 ... 40V Max Constant Current Mode	84 ... 87%	-25~+50°C	EN61347 EN55015	IP20	>0.90		
	LEE	35, 60	90~264	0.35 ... 2.8A, 14 ... 100V Max Constant Current Mode	85 ... 89%	-25~+70°C	EN61347, UL8750 EN55015	IP67	>0.90		
	LEE-B	35, 60	180~264	12 ... 48V, 4A Max Constant Voltage Mode	85 ... 89%	-25~+70°C	EN61347, UL8750 EN55015	IP67	>0.90		
	LEG-C	35, 60, 100, 150	90~264	0.35 ... 4.2A, 14 ... 214V Max Constant Current Mode	86 ... 93%	-25~+70°C	EN61347, UL8750 EN55015	IP67	>0.90		
	LEG-V	35, 60, 100, 150	90~264	5 ... 48V, 8A Max Constant Voltage Mode	75 ... 93%	-25~+70°C	EN61347, UL8750 EN55015	IP67	>0.90		
	LPE	60, 80, 100, 120, 150, 200, 250	90~305	0.70 ... 5.0A, 8 ... 179V Max Constant Power	87 ... 93%	-35~+70°C	UL8750, UL935, UL1012, UL1310, EN61347, EN55015	IP67	>0.95	Switch	3 in 1
	LPS	100, 120, 150, 185, 200, 250	90~305	0.35 ... 5.7A, 15 ... 286V Max Constant Power	89 ... 93%	-35~+70°C	UL8750, UL935, UL1012, UL1310, EN61347, EN55015	IP67	>0.95	Switch	3 in 1
	LNF	40, 60, 75, 96, 120, 160, 200, 250	90~305	0.24 ... 10.4A, 14.4 ... 233V Max Constant Power	87 ... 93%	-35~+70°C	UL8750, UL935, UL1012 CSA/C22.2No.107.1 EN61347, EN55015	IP67	>0.95	NFC	3 in 1

A close-up photograph of a microchip on a blue printed circuit board (PCB). The chip is square and has a dense grid of small, silver-colored solder balls around its perimeter. In the center of the chip, there are several larger, rectangular components. The background is a blurred blue light with bokeh effects, suggesting a high-tech environment.

## LATEST COST CUTTERS

Hot sellers that upgraded for cost optimization utilizing latest technologies or materials



# LATEST COST CUTTERS

## DC/DC Converters

- ▶ Latest technology cost cutters
- ▶ 20~40% lower cost than former designs
- ▶ Pinning compatible with former designs
- ▶ Operating temperature -40~+105°C
- ▶ Continuous short circuit protected
- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Safety certification in process
- ▶ Meet UL/EN62638 standards
- ▶ Meet CISPR32, EN55032 Class B

UL Certified / Pending  
 Continuous S.C.P.  
 Meet EN55032 Class B  
 -40~+105°C Temp. Range

IMAGE	SERIES	POWER [W]	INPUT VOLTAGE [VDC] ±10% RANGE	OUTPUT VOLTAGE [VDC]	ISOLATION [VDC]	PACKAGE	SAFETY STANDARDS	FEATURES			
★	ME1TE	1	5	3.3, 5, 9, 12, 15, 24 ±5, ±9, ±12, ±15	1500	SMD8, SMD10	UL/EN62638	■	■	■	■
★	ME1TE-K3	1	5	3.3, 5, 9, 12, 15, 24 ±5, ±9, ±12, ±15	3000	SMD8, SMD10	UL/EN62638	■	■	■	■
★	ME1S4E	1	5	3.3, 5, 9, 12, 15, 24	1500	SIP4	UL/EN62638	■	■	■	■
★	ME1D8E-K3	1	5	5, 9, 12, 15	3000	DIP8	UL/EN62638	■	■	■	■
★	ME1S7E	1	5	5, 9, 12, 15 ±5, ±9, ±12, ±15	1500	SIP7	UL/EN62638	■	■	■	■
★	ME1S7E-K3	1	5	3.3, 5, 9, 12, 15, 24 ±5, ±9, ±12, ±15	3000	SIP7	UL/EN62638	■	■	■	■

★ Starts denote new products that maybe not yet available for volume production.

# LATEST COST CUTTERS

## AC/DC Power Supplies

- ▶ Latest technology cost cutters
- ▶ 20~40% lower cost than former designs
- ▶ Low ripple and noise, only 50mV typical
- ▶ Operating temperature down to -40°C
- ▶ Optional SIP, DIP, Chassis and DIN Rail mount

- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Safety certification in process
- ▶ Meet UL/EN62368 or UL/EN60950
- ▶ Meet CISPR22, EN55022 Class B

Class II Power, No FG

Meet EN55022 Class B

-40°C Operating Temp.

Optional DIN Rail Chassis

IMAGE	SERIES	POWER [W]	INPUT VOLTAGE RANGE [VAC]	OUTPUT VOLTAGE [VDC]	ISOLATION [VAC]	PACKAGE and SIZE [mm]	SAFETY STANDARDS	FEATURES			
	PNSC3	3	90~264	3.3, 5, 9, 12, 15, 24	3000	SIP, Open Frame 35x13x21	UL/EN60950-1	▪	▪		
	PMC4	4	180~300	24	3000	Lead wire 50x30x14	IEC/EN60950-1	▪	▪		
	PMEN5	5	90~264	3.3, 5, 9, 12, 15, 24	3000	DIP 35x25.4x17.8	UL/EN60950-1	▪	▪		
	PMSL	5, 10	90~264	3.3, 5, 9, 12, 15, 24	4000	DIP 50.8x25.4x15.2	UL/EN60950-1	▪	▪		
★	PMSE	3 ~ 20	85~264	3.3, 5, 9, 12, 15, 24	4000	DIP / Chassis	UL/EN62368 EN60335	▪	▪	▪	▪
★	PMAE	5 ~ 25	85~264	3.3, 5, 9, 12, 15, 24, 48	4000	DIP / Chassis	UL/EN62368 EN60335		▪	▪	▪
★	PNH	5	90~528	3.3, 5, 9, 12, 15, 24	4000	SIP, Open Frame	UL/EN62368 EN60335	▪	▪		
★	PMH	3 ~ 20	90~528	3.3, 5, 9, 12, 15, 24	4000	DIP / Chassis	UL/EN62368 EN60335	▪	▪		▪

★ Starts denote new products that maybe not yet available for volume production.



## Commitment

As a business we are committed to release competitive products to the market. Challenge the bottlenecks whether that is based on product performance, reliability, environmental friendly, or cost savings. We are continually striving to innovate so our customers will benefit.

We know that everything we accomplish rests on the dedication of our employees. We are committed to offer fair employment that will allow our employees to flourish and succeed while still experiencing balance in their life, enjoying quality life with their family.

More importantly, we are committed to our customers. We do all we can to service the customer as though they are part of the Favotek family. We look to create long-term partnerships, and avoid short-term behaviors.

## Core Value

Favotek's core values are expressed in the company's brand promise to public.

“Favotek is where favorable resources and technologies come together to create quality products for the benefit of our customers, innovate without waver in the pursuit of quality life.”

Favotek is committed to being a technology driven organization whose people have a passion for progress and a commitment to excellence. We constantly strive to be better partners with our global customers and to be more forward looking, more customer focused, and more connected than our competitors.



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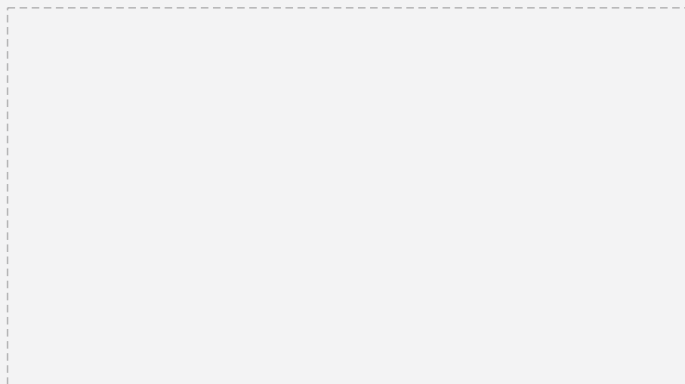
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