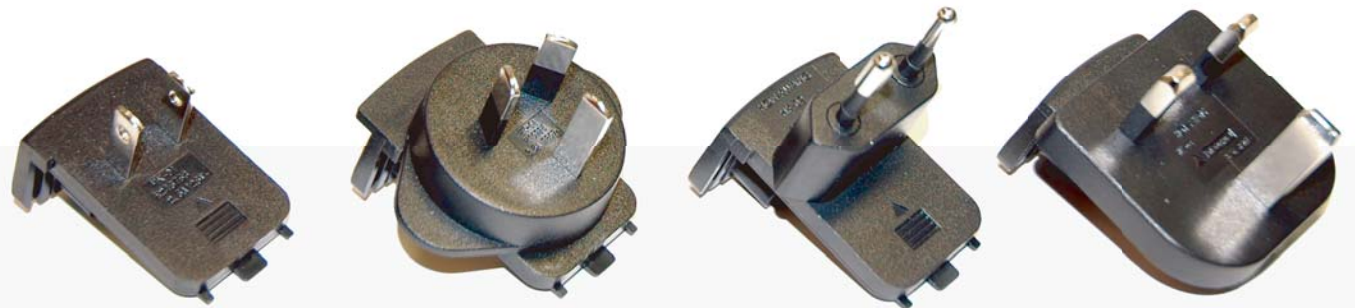




# GREEN CUBES

TECHNOLOGY



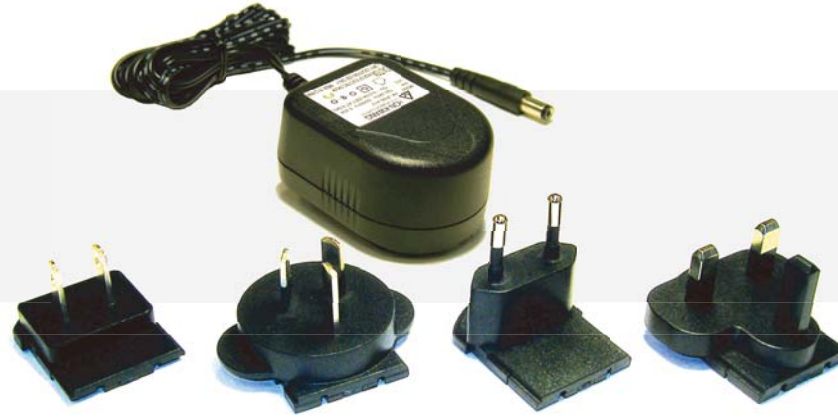
Multi Plug Power Supply Series

# Switchmode Power Supply

**MPS 6**  
6 watt

## Characteristics

- Universal input 90 to 264 V AC, 47 to 63Hz
- Interchangeable plugs
- Constant voltage, current limited
- Continuously short circuit proof



## Technical data

Input voltage	90 to 264 V AC
Input current	0.2 A Max
Frequency	47 to 63 Hz
Efficiency	>65% typ. at full load
EMC	FCC PART 15B (1) EN55022 (EN61000-3-3) (2) EN55024 (IEC61000-4-2. IEC61000-4-3. IEC61000-4-4. IEC61000-4-6. IEC61000-4-8. IEC61000-4-11.)

Output voltage regulation	± 5%
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## Environmental specification

Operating temp.	0 to 40° C at maximum load
Storage temp.	-20 to 70° C
Humidity	10% to 90% non condensing
Input transient susceptibility	Complies with IEC 61000 requirements

## Safety Specification Standards

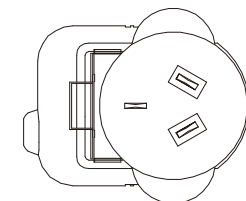
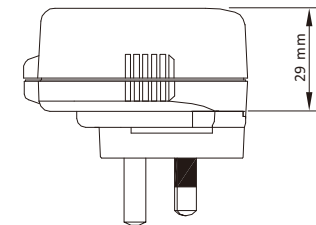
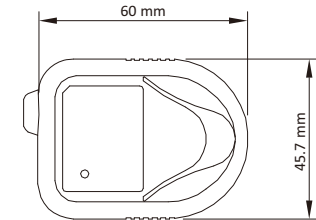
UL60950-1 (First Edition)  
CAN/CSA-C22.2 No.950-95  
IEC60950: 2001, EN60950: 2001

## Reliability specification

MTBF calculation	50,000 hours at maximum load levels and an ambient temperature of 25° C (in correspondence with MIL-HDBK-217)
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## Mechanical specification

Weight approx.	84 g
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Output data		GCT	Output data		GCT
Voltage	Current	Part No.	Voltage	Current	Part No.
2.4 V	1000 mA	MPS06M024100*	9 V	550 mA	MPS06M090055
3 V	1000 mA	MPS06M030100*	11 V	500 mA	MPS06M110050
3.3 V	1000 mA	MPS06M033100*	12 V	500 mA	MPS06M120050
3.6 V	1000 mA	MPS06M036100*	13.8 V	400 mA	MPS06M138040
4 V	1000 mA	MPS06M040100*	14.5 V	400 mA	MPS06M145040
4.5 V	1000 mA	MPS06M045100	15 V	400 mA	MPS06M150040
5 V	1000 mA	MPS06M050100	16 V	375 mA	MPS06M160037
6 V	800 mA	MPS06M060080	18 V	330 mA	MPS06M180033
6.5 V	800 mA	MPS06M065080	20 V	300 mA	MPS06M200030
7 V	700 mA	MPS06M070070	21 V	250 mA	MPS06M210025
7.5 V	700 mA	MPS06M075070	22 V	250 mA	MPS06M220025
8 V	600 mA	MPS06M080060	24 V	250 mA	MPS06M240025

\* UL, cUL, GS, CE and FCC only.



# Switchmode Power Supply

## MPS 12

12 watt

### Characteristics

- Universal input 90 to 264 V AC, 47 to 63Hz
- Interchangeable plugs
- Constant voltage, current limited
- Continuously short circuit proof



### Technical data

Input voltage	90 to 264 V AC
Input current	0.35 A Max
Frequency	47 to 63 Hz
Efficiency	>76% typ. at full load
EMC	FCC PART 15B AS/NZS 55022/55024, (1) EN55022 (EN61000-3-2. EN61000-3-3) (2) EN55024 (IEC61000-4-2. IEC61000-4-3. IEC61000-4-4. IEC61000-4-6. IEC61000-4-8. IEC61000-4-11.)

Output voltage regulation	± 5%
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### Environmental specification

Operating temp.	0 to 40° C at maximum load
Storage temp.	-20 to 70° C
Humidity	10% to 90% non condensing

Input transient susceptibility	Complies with IEC 61000 requirements
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### Safety Specification

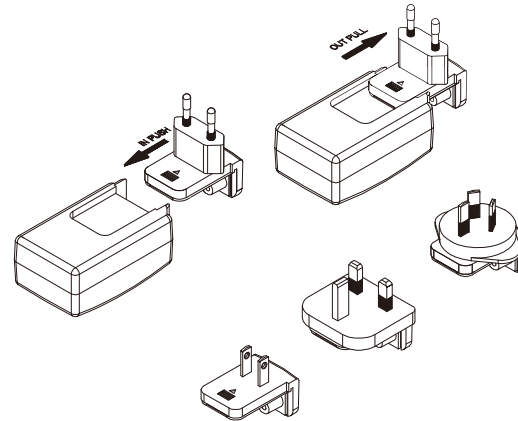
Standards	UL60950-1 (First Edition) CAN/CSA-C22.2 No.950-95 IEC60950: 2001, EN60950: 2001 AS/NZS60950
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### Reliability specification

MTBF calculation	50,000 hours at maximum load levels and an ambient temperature of 25° C (in correspondence with MIL-HDBK-217)
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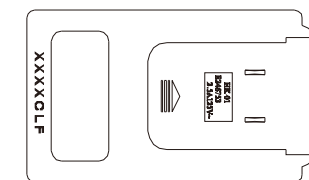
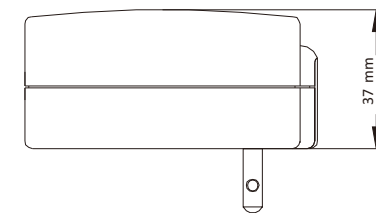
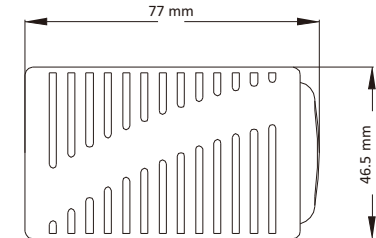
### Mechanical specification

Weight approx.	117.5 g
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RoHS

CEC  
California Energy Commission



Output data			GCT	Output data			GCT
Voltage	Current	Part No.		Voltage	Current	Part No.	
3 V	3000 mA	MPS12M030300		10 V	1150 mA	MPS12M100115	
3.3 V	3000 mA	MPS12M033300		11 V	1050 mA	MPS12M110105	
3.6 V	2500 mA	MPS12M036250		12 V	1000 mA	MPS12M120100	
4 V	2200 mA	MPS12M040220		13 V	900 mA	MPS12M130090	
4.5 V	2000 mA	MPS12M045200		13.8 V	850 mA	MPS12M138085	
5 V	2500 mA	MPS12M050250		15 V	800 mA	MPS12M150080	
6 V	1750 mA	MPS12M060175		16 V	750 mA	MPS12M160075	
6.5 V	1750 mA	MPS12M065175		18 V	670 mA	MPS12M180067	
7 V	1500 mA	MPS12M070150		20 V	600 mA	MPS12M200060	
7.5 V	1400 mA	MPS12M075140		21 V	570 mA	MPS12M210057	
8 V	1300 mA	MPS12M080130		22 V	550 mA	MPS12M220055	
8.5 V	1250 mA	MPS12M085125		24 V	500 mA	MPS12M240050	
9 V	1200 mA	MPS12M090120					



# Switchmode Power Supply

## MPS 18

18 watt

### Characteristics

- Universal input 90 to 264 V AC, 47 to 63Hz
- Interchangeable plugs
- Constant voltage, current limited
- Continuously short circuit proof



### Technical data

Input voltage	90 to 264 V AC
Input current	0.6A Max
Frequency	47 to 63 Hz
Efficiency	>76% typ. at full load
EMC	FCC PART 15B CLSPR22 classB, (1) EN55022 (EN61000-3-3) (2) EN55024 (IEC61000-4-2. IEC61000-4-3. IEC61000-4-4. IEC61000-4-5. IEC61000-4-6. IEC61000-4-8. IEC61000-4-11.)

Output voltage regulation	± 5%
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### Environmental specification

Operating temp.	0 to 40° C at maximum load
Storage temp.	-20 to 70° C
Humidity	10% to 90% non condensing

Input transient susceptibility	Complies with IEC 61000 requirements
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### Safety Specification

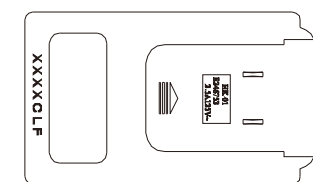
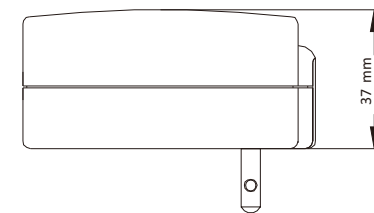
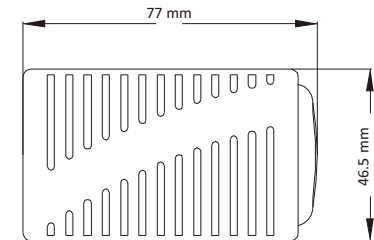
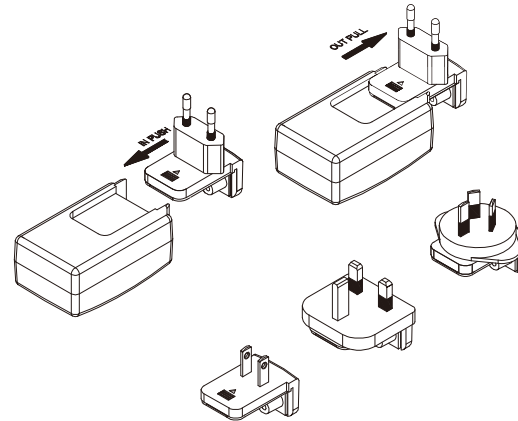
Standards	UL60950-1 (First Edition) CAN/CSA-C22.2 No.950-95 IEC60950: 2001, EN60950: 2001
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### Reliability specification

MTBF calculation	50,000 hours at maximum load levels and an ambient temperature of 25° C (in correspondence with MIL-HDBK-217)
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### Mechanical specification

Weight approx.	122.5 g
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Output data		GCT	Output data		GCT
Voltage	Current	Part No.	Voltage	Current	Part No.
3 V	3000 mA	MPS18M030300	13 V	1380 mA	MPS18M130138
3.3 V	3000 mA	MPS18M033300	13.8 V	1300 mA	MPS18M138130
4 V	3000 mA	MPS18M040300	15 V	1200 mA	MPS18M150120
4.5 V	3000 mA	MPS18M045300	16 V	1200 mA	MPS18M160120
5 V	3000 mA	MPS18M050300	18 V	1000 mA	MPS18M180100
6 V	2000 mA	MPS18M060200	19 V	940 mA	MPS18M190094
7 V	2000 mA	MPS18M070200	20 V	900 mA	MPS18M200090
8 V	2000 mA	MPS18M080200	21 V	850 mA	MPS18M210085
8.5 V	2000 mA	MPS18M085200	22 V	800 mA	MPS18M220080
9 V	2000 mA	MPS18M090200	24 V	750 mA	MPS18M240075
10 V	1800 mA	MPS18M100180	27 V	660 mA	MPS18M270066
11 V	1600 mA	MPS18M110160	30 V	600 mA	MPS18M300060
12 V	1500 mA	MPS18M120150			



# Switchmode Power Supply

## MPS 30

30 watt

### Characteristics

- Universal input 90 to 264 V AC, 47 to 63Hz
- Interchangeable plugs
- Constant voltage, current limited
- Continuously short circuit proof



### Technical data

Input voltage	90 to 264 V AC
Input current	0.8 A Max
Frequency	47 to 63 Hz
Efficiency	>76% typ. at full load
EMC	FCC PART 15B CLSPR22 classB, (1) EN55022 (EN61000-3-3) (2) EN55024 (IEC61000-4-2. IEC61000-4-3. IEC61000-4-4. IEC61000-4-5. IEC61000-4-6. IEC61000-4-8. IEC61000-4-11.)

Output voltage regulation	± 5%
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### Environmental specification

Operating temp.	0 to 40° C at maximum load
Storage temp.	-20 to 70° C
Humidity	10% to 90% non condensing
Input transient susceptibility	Complies with IEC 61000 requirements

### Safety Specification Standards

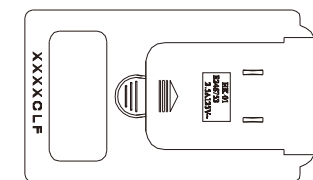
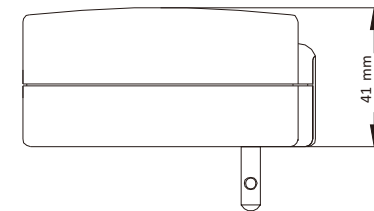
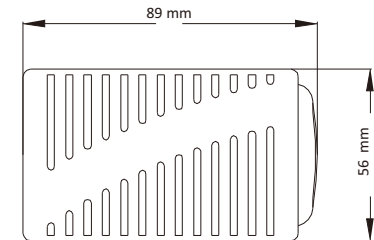
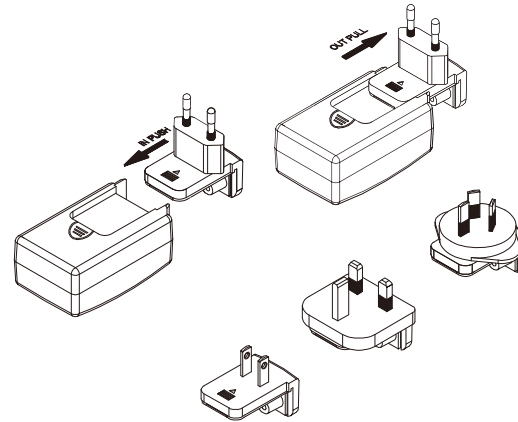
UL60950-1 (First Edition)  
CAN/CSA-C22.2 No.950-95  
IEC60950: 2001, EN60950: 2001

### Reliability specification

MTBF calculation	50,000 hours at maximum load levels and an ambient temperature of 25° C (in correspondence with MIL-HDBK-217)
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### Mechanical specification

Weight approx.	201 g
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Output data			GCT	Output data			GCT
Voltage	Current	Part No.		Voltage	Current	Part No.	
3 V	4000 mA	MPS30M030400		13 V	2300 mA	MPS30M130230	
3.3 V	4000 mA	MPS30M033400		13.8 V	2170 mA	MPS30M138217	
4 V	4000 mA	MPS30M040400		15 V	2000 mA	MPS30M150200	
4.5 V	4000 mA	MPS30M045400		16 V	1870 mA	MPS30M160187*	
5 V	4000 mA	MPS30M050400		18 V	1660 mA	MPS30M180166*	
6 V	3500 mA	MPS30M060350		19 V	1570 mA	MPS30M190157*	
7 V	3500 mA	MPS30M070350		20 V	1500 mA	MPS30M200150*	
8 V	2500 mA	MPS30M080250		21 V	1420 mA	MPS30M210142*	
8.5 V	2500 mA	MPS30M085250		22 V	1360 mA	MPS30M220136*	
9 V	2500 mA	MPS30M090250		24 V	1250 mA	MPS30M240125*	
10 V	2500 mA	MPS30M100250		27 V	1100 mA	MPS30M270110*	
11 V	2500 mA	MPS30M110250		30 V	1000 mA	MPS30M300100*	
12 V	2500 mA	MPS30M120250					

\* UL, cUL, GS, CE and FCC only.



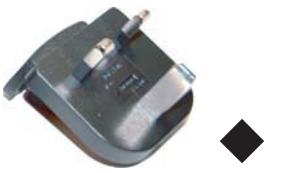


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- United States ●

**Central & South America**

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- Nicaragua ●
- El Salvador ●
- Honduras ●
- Nicaragua ●
- Costa Rica ●
- Panama ●
- Dominican Rep. ●
- Columbia ●
- Venezuela ●
- Ecuador ●
- Brazil ●
- Peru ●
- Bolivia ●
- Paraguay ●
- Uruguay ●
- Argentina ●
- Chile ●
- Haiti ●



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- Swaziland ◆