

General description

The P2xFyW 6W family of switch mode power supplies delivers typically 6W output and features wide-range input (90-264V), small size and light weight.

The units are available in EU, UK and US housing to fit major markets, others can be tooled on request.

Typical applications are with mobile electronic equipment such as mobile phones, organizers, cameras, measuring equipment etc.

Output voltage is fixed with a tolerance of $\pm 3\%$ (1% tolerance and current regulation on request). Output voltages are available between 3V and 24V DC. Secondary cable connection to power supply is available fixed (or pluggable on request). Secondary plug is available in different forms. The power supply is for indoor use only.



Dimensions	Length	Width	Height	
12/24W Wall Plug IN Housing	95	42	29,5	mm
Desktop Housing	110	53,4	38	mm

Features

- Wide input range (90-264V)
- Output voltage fixed (3-24VDC)
- Output voltage stability $\pm 3\%$ (1% on request)
- Output power typically 6W
- High efficiency
- Protection class II
- Europe, UK, US available, others on request
- Secondary plug customer specific possible
- Manufacturing according to ISO 9001
- Compact form factor

Input Parameter	Key	Min	Typ	Max	Unit
Input voltage	U_1	90		264	V
Input current	I_1	3	145	175	mA
Input frequency	f_1	47	50	63	Hz
Efficiency	η	65		80	%
Op. Temperature	T	-5		40	$^{\circ}\text{C}$

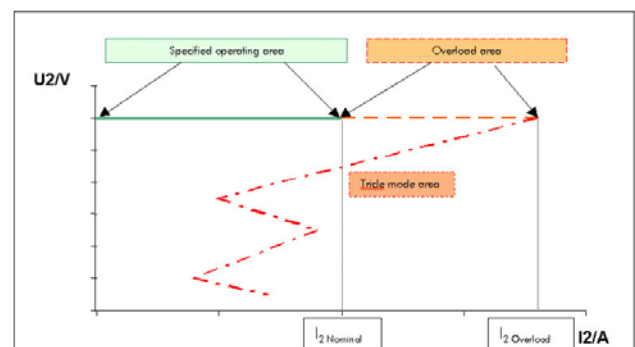
Output Parameter	Key	Min	Typ	Max	Unit
Output Voltage	U_2	3		24	V
Output voltage tolerance	T_{U_2}			3	%
Output current	I_2			1200	mA
Ripple voltage	U_{RMS}			50	mV

The power supply is available for 3 different application areas:

- Information technology equipment area
- Household device area
- Medical electrical equipment area



























P 2 x F x W x	Generic Product Code
	3 ... Output stability $\pm 3\%$
	S ... Information technology device
	H ... Household device
	M ... Medical electrical device
	E ... Euro plug
	U ... US-, Canada plug
	G ... United Kingdom plug
	D ... Desktop Module

Typical output chart



Test standards and approvals

Test standards	
EN 60950 UL 1310 EN 61000-6-1 EN 55022 EN 55011 EN 55014-1 EN 61204-3	Information technology equipment
EN 60335 EN 61558 UL 1310 EN 61000-6-1 EN 55022 EN 55011 EN 55014-1 EN 61204-3	Household devices
EN 60601-1 UL 2601 EN 60601-1-2 EN 61000-6-1 EN 55022 EN 55011 EN 55014-1 EN 61204-3	Medical electrical equipment

Approvals			
Housing	Information technology equipment	Household devices	Medical electrical equipment
EU, UK:	  	 	 
US:	  	  	 
Desktop	   	   	  

General description

The P2xFxWx 12W family of switch mode power supplies delivers typically 12W output and features wide-range input (90-264V), small size and light weight.

The units are available in EU, UK and US housing to fit major markets, others can be tooled on request.

Typical applications are with mobile electronic equipment such as mobile phones, organizers, cameras, measuring equipment etc.

Output voltage is fixed with a tolerance of $\pm 3\%$ (1% tolerance and current regulation on request). Output voltages are available between 4,5V and 24V DC. Secondary cable connection to power supply is available fixed (or pluggable on request). Secondary plug is available in different forms. The power supply is for indoor use only.



Dimensions	Length	Width	Height	
12/24W Wall Plug IN Housing	105	42	37	mm
Desktop Housing	110	53,4	38	mm

Features

- Wide input range (90-264V)
- Output voltage fixed (4,5-24VDC)
- Output voltage stability $\pm 3\%$ (1% on request)
- Output power typically 12W
- High efficiency
- Protection class II
- Europe, UK, US available, others on request
- Secondary plug customer specific possible
- Manufacturing according to ISO 9001
- Compact form factor

Input Parameter	Key	Min	Typ	Max	Unit
Input voltage	U_1	90		264	V
Input current	I_1	3	250	320	mA
Input frequency	f_1	47	50	63	Hz
Efficiency	η	75		85	%
Op. Temperature	T	-5		40	$^{\circ}\text{C}$

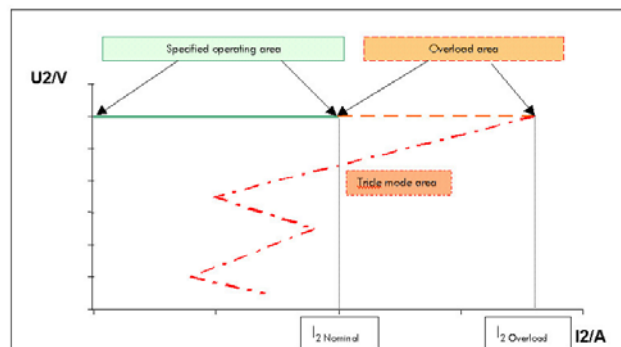
Output Parameter	Key	Min	Typ	Max	Unit
Output Voltage	U_2	4,5		24	V
Output voltage tolerance	T_{U_2}			3	%
Output current	I_2			2400	mA
Ripple voltage	U_{RMS}			50	mV

The power supply is available for 3 different application areas:

- Information technology equipment area
- Household device area
- Medical electrical equipment area



























P 2 x F x W x	Generic Product Code
	3 ... Output stability $\pm 3\%$
	S ... Information technology device
	H ... Household device
	M ... Medical electrical device
	E ... Euro plug
	U ... US-, Canada plug
	G ... United Kingdom plug
	D ... Desktop Module

Typical output chart



Test standards and approvals

Test standards	
EN 60950 UL 1310 EN 61000-6-1 EN 55022 EN 55011 EN 55014-1 EN 61204-3	Information technology equipment
EN 60335 EN 61558 UL 1310 EN 61000-6-1 EN 55022 EN 55011 EN 55014-1 EN 61204-3	Household devices
EN 60601-1 UL 2601 EN 60601-1-2 EN 55022 EN 55011 EN 55014-1 EN 61204-3	Medical electrical equipment

Approvals			
Housing	Information technology equipment	Household devices	Medical electrical equipment
EU, UK:	  	 	 
US:	  	  	 
Desktop	   	   	  

General description

The P2xFxWx 24W family of switch mode power supplies delivers typically 24W output and features wide-range input (90-264V), small size and light weight.

The units are available in EU, UK and US housing to fit major markets, others can be tooled on request.

Typical applications are with mobile electronic equipment such as mobile phones, organizers, cameras, measuring equipment etc.

Output voltage is fixed with a tolerance of $\pm 3\%$ (1% tolerance and current regulation on request). Output voltages are available between 5V and 24V DC. Secondary cable connection to power supply is available fixed (or pluggable on request). Secondary plug is available in different forms. The power supply is for indoor use only.



Dimensions	Length	Width	Height	
12/24W Wall Plug IN Housing	105	42	37	mm
Desktop Housing	110	53,4	38	mm

Features

- Wide input range (90-264V)
- Output voltage fixed (5-24VDC)
- Output voltage stability $\pm 3\%$ (1% on request)
- Output power typically 24W
- High efficiency
- Protection class II
- Europe, UK, US available, others on request
- Secondary plug customer specific possible
- Manufacturing according to ISO 9001
- Compact form factor

Input Parameter	Key	Min	Typ	Max	Unit
Input voltage	U_1	90		264	V
Input current	I_1	3	550	620	mA
Input frequency	f_1	47	50	63	Hz
Efficiency	η	75		85	%
Op. Temperature	T	-5		40	$^{\circ}\text{C}$

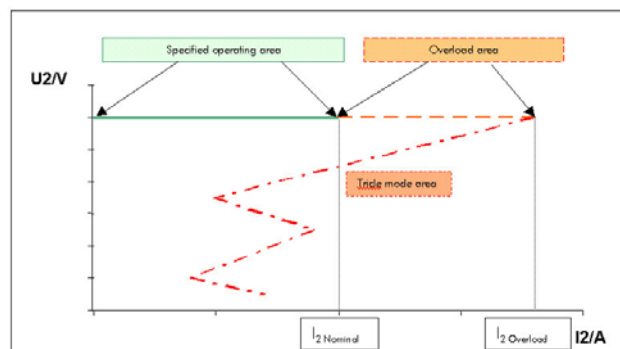
Output Parameter	Key	Min	Typ	Max	Unit
Output Voltage	U_2	5		24	V
Output voltage tolerance	T_{U_2}			3	%
Output current	I_2			2500	mA
Ripple voltage	U_{RMS}			50	mV

The power supply is available for 3 different application areas:

- Information technology equipment area
- Household device area
- Medical electrical equipment area
















P 2 x F x W x	Generic Product Code
	3 ... Output stability $\pm 3\%$
	S ... Information technology device
	H ... Household device
	M ... Medical electrical device
	E ... Euro plug
	U ... US-, Canada plug
	G ... United Kingdom plug
	D ... Desktop Module

Typical output chart



Test standards and approvals

Test standards	
EN 60950 UL 1310 EN 61000-6-1 EN 55022 EN 55011 EN 55014-1 EN 61204-3	Information technology equipment
EN 60335 EN 61558 UL 1310 EN 61000-6-1 EN 55022 EN 55011 EN 55014-1 EN 61204-3	Household devices
EN 60601-1 UL 2601 EN 60601-1-2 EN 61000-6-1 EN 55022 EN 55011 EN 55014-1 EN 61204-3	Medical electrical equipment

Approvals			
Housing	Information technology equipment	Household devices	Medical electrical equipment
EU, UK:	  	 	 
US:	  	  	 
Desktop	