

# 24 Volt Supplies For Process Control

**6EP** SERIES

**30-1000 Watts**



CE Marked - LVD

•

DIN Rail Mounting

•

Rugged for Industrial Use

•

Stabilised and Low Ripple

•

EN60950 Approval

•

High Efficiency

•

Adjustable Outputs

## Specification

Input Voltage	<ul style="list-style-type: none"><li>93-264 V (110-350 V DC) Low Power &amp; Wide Input models - (Note: 6EP1 336 1SH01 187.5-264.0 V AC input only)</li><li>93-132/187-264 V switch selectable - Industry, Single Phase &amp; Flat Design models</li><li>360-550 V 3 Phase - Three Phase models</li></ul>
Input Frequency	<ul style="list-style-type: none"><li>47-63 Hz</li></ul>
Harmonic Distortion	<ul style="list-style-type: none"><li>Compliant with EN61000-3-2- Single Phase models</li></ul>
Inrush Current	<ul style="list-style-type: none"><li>Depends on model but &lt; 55 A max (8.8 A<sup>2</sup>S I<sup>2</sup>t max)</li></ul>
Hold Up Time	<ul style="list-style-type: none"><li>10 ms min (except 3<math>\phi</math> units which have &gt;3 ms)</li></ul>
Output Voltage	<ul style="list-style-type: none"><li>Fixed 24 V output - Low Power, Wide Input &amp; Flat Design models</li><li>22.8-26.4 V - Industry, Single Phase &amp; Three Phase models</li></ul>
LED Output Indicator	<ul style="list-style-type: none"><li>Indicates output ON</li></ul>
Line & Load Regulation	<ul style="list-style-type: none"><li>&lt;<math>\pm</math>8% for line &amp; load change in specified range - Low Power models</li><li>&lt;<math>\pm</math>3% for line &amp; load change in specified range - Flat Design models</li><li>&lt;<math>\pm</math>2% for line &amp; load change in specified range - Three Phase models</li><li>&lt;<math>\pm</math>1% for line &amp; load change in specified range - Industry, Single Phase &amp; Wide Input models</li></ul>
Output Ripple & Noise	<ul style="list-style-type: none"><li>&lt;250 mV pk-pk - Low Power models</li><li>&lt;150 mV pk-pk - Industry, Single Phase and Flat Design models</li><li>&lt;50 mV pk-pk - Wide Input</li></ul>
Short Circuit & Overload Protection	<ul style="list-style-type: none"><li>Electronic with automatic recovery</li></ul>
Protection Class	<ul style="list-style-type: none"><li>IEC 536 class 1</li></ul>
Efficiency	<ul style="list-style-type: none"><li>80 to 89% depending on model</li></ul>
Operating Temperature	<ul style="list-style-type: none"><li>0 °C to 65 °C - Wide Input, Industry, Single Phase &amp; Flat Design models</li><li>0 °C to 55 °C - Three Phase &amp; Low Power models</li></ul>
Storage Temperature	<ul style="list-style-type: none"><li>-25 °C to +85 °C</li></ul>
Humidity Rating	<ul style="list-style-type: none"><li>Rating F to DIN 40040, DIN50014 - Three Phase models</li></ul>
Degree of Protection	<ul style="list-style-type: none"><li>VDE0470, IEC 529, IP 20</li></ul>
EMC	<ul style="list-style-type: none"><li>EN 55022 B - Low Power, Wide Input &amp; Three Phase models</li><li>EN 55011 A - Flat Design models</li><li>EN 55011 B/EN55022 B - Industry &amp; Single Phase models</li></ul>
Noise Immunity	<ul style="list-style-type: none"><li>EN50082-2</li></ul>
Safety Approval	<ul style="list-style-type: none"><li>EN 60950 SELV</li></ul>

<b>Output Voltage &amp; Current Ratings - Low Power Models</b>		
Model Number	6EP1 331 1SH01	6EP1 332 1SH41
Output	24 V @ 1.3 A	24 V @ 2.5 A
Input Circuit Breaker Rating	From 10 A Type C or From 16 A Type D	From 10 A Type C or From 16 A Type D

<b>Output Voltage &amp; Current Ratings - Wide Input Models</b>				
Model Number	6EP1 332 1SH12	6EP1 332 1SH22	6EP1 334 1SH01	6EP1 336 1SH01
Output	24 V @ 2.5 A	24 V @ 4 A	24 V @ 10 A	24 V @ 20 A
Input Circuit Breaker Rating	From 10 A Type C or From 6 A Type D	From 10 A Type C or From 6 A Type D	From 16 A Type C or From 8 A Type D	From 16 A Type C From 8 A Type D

<b>Output Voltage &amp; Current Ratings - Single Phase Models</b>			
Model Number	6EP1 331 2BA00	6EP1 333 2BA00	6EP1 334 2BA00
Output	24 V @ 2 A	24 V @ 5 A	24 V @ 10 A
Input Circuit Breaker Rating	From 6 A Type C or From 3 A Type D	From 10 A Type C or From 6 A Type D	From 16 A Type C or From 8 A Type D

<b>Output Voltage &amp; Current Ratings - Industry Models</b>		
Model Number	6EP1 333 2AA00	6EP1 334 2AA00
Output	24 V @ 5 A	24 V @ 10 A
Input Circuit Breaker Rating	From 10 A Type C or From 6 A Type D	From 16 A Type C or From 8 A Type D

<b>Output Voltage &amp; Current Ratings - Flat Design Models</b>		
Model Number	6EP1 333 1AL11	6EP1 334 1AL11
Output	24 V @ 5 A	24 V @ 10 A
Input Circuit Breaker Rating	From 10 A Type C or From 6 A Type D	From 16 A Type C or From 8 A Type D

<b>Output Voltage &amp; Current Ratings - Three Phase Models</b>				
Model Number	6EP1 434 2BA00	6EP1 436 2BA00	6EP1 437 2BA00	6EP1 437 2BA10
Output	24 V @ 10 A	24 V @ 20 A	24 V @ 30 A	24 V @ 40 A
Input Circuit Breaker Rating	Three Phase Coupled Type C 25 A	Three Phase Coupled Type C 25 A	Three Phase Coupled Type C 25 A	Three Phase Coupled Type C 25 A

<b>Mechanical Details</b>				
Model Number	Mechanical Details			
	Width (mm)	Height (mm)	Depth (mm)	Weight (Kg)
6EP1 331 1SH01	72	90	55	0.3
6EP1 332 1SH41	126	90	55	0.4
6EP1 332 1SH12	80	135	120	0.5
6EP1 332 1SH22	80	135	120	0.5
6EP1 334 1SH01	200	125	135	1.8
6EP1 336 1SH01	240	130	131	4.0
6EP1 331 2BA00	50	125	125	0.4
6EP1 333 2BA00	75	125	125	0.75
6EP1 334 2BA00	100	125	135	1.1
6EP1 333 2AA00	75	125	125	0.6
6EP1 334 2AA00	100	125	135	0.8
6EP1 333 1AL11	160	130	60	0.7
6EP1 334 1AL11	220	130	60	1.2
6EP1 434 2BA00	280	125	92	2.0
6EP1 436 2BA00	280	125	92	2.0
6EP1 437 2BA00	280	180	92	3.6
6EP1 437 2BA10	280	180	92	3.6