

Modules AC-DC / DC-DC power supplies

Very large AC-DC and DC-DC range
Screw connector and solderable box versions.
Single and multi output version available.
No ground load required (single output only).
Continuous short circuit protection.
Vacuum encapsulated.
Small size/high density.
High output accuracy
Recorded piece - by - piece testing.
Special versions on request.

Technical features:

Output power: up to 70W
Input voltage:
High voltage AC-DC 85-265Vac
30-60 Hz
High voltage DC-DC 100Vdc-375Vdc

Low voltage AC-DC: 20-60Vac
Low voltage DC-DC: 20-72Vdc.
Output accuracy: $\pm 0,5\%$
Operating temperature: -25/+70°C
Safety: complies with EN 60950
Emission: complies with EN 55022 lev.B

EMC: complies with EN 50082-2
2MTBF 800.000h (MIL HDBK 217)
CE conformity
Isolation up to 4KV.
Production monitored by VDE / UL
recognized, VDE approved versions.

High voltage modules PMA/PCMA series standard size

Power range	Model Watt	Input voltage	S (single output)						D (dual outputs)						T (triple outputs)		Dimensions mm	
			3,3V	5V	12V	15V	24V	48V	$\pm 5V$	$\pm 12V$	$\pm 15V$	$\pm 5/12V$	$\pm 5/15V$	$\pm 5/24V$	$5\pm 12V$	$5\pm 12V$		
5W	PMA 5	85±264Vac 100±375Vdc	1,2A	1,0A	0,42A	0,33A	0,25A	.	.	+0,25A -0,15A	$\pm 0,15A$	.	.	.	.	.	.	50x50x20
6W	PMA 6	85±264Vac 100±375Vdc	1,5A	1,2A	0,5A	0,4A	0,25A	.	.	.	.	.	.	.	.	.	.	50x50x20
10W	PMA 10 PCMA 10	85±264Vac 100±375Vdc	2,4A	2,0A	0,84A	0,67A	0,42A	.	$\pm 1,0A$	+0,6A -0,4A	+0,5A -0,4A	.	.	.	.	12±0,15 -0,1A	12±0,15 -0,1A	76x50x22,5 110x50x23
15W	PMA 15 PCMA 15	85±264Vac 100±375Vdc	3,0A	3,0A	1,3A	1,0A	0,6A	.	.	+0,6A -0,4A	+0,5/ -0,4A	1,0/ 0,4A	1,0/ 0,3A	1,0/ 0,3A	1,6 $\pm 0,15A$	1,6 $\pm 0,15A$	76x50x22,5 110x50x23	
30W	PMA 30 PCMA 30	85±264Vac 100±375Vdc	6,0A	6,0A	2,5A	2,0A	1,3A	0,6A	.	$\pm 1,2A$	$\pm 1,0A$	3,0/ 1,2A	3,0/ 1,0A	3,0/ 0,6A	3,0 $\pm 0,6A$	3,0 $\pm 0,5A$	90x65x33 120x65x33	
50W	PMA 50 PCMA 50	85±264Vac 100±375Vdc	.	10,0A	4,1A	3,3A	2,0A	1,0A	.	+2,5A -1,2A	+2,0A -1,0A	6,0/ 1,2A	6,0/ 1,0A	6,0/ 0,7A	6,0 $\pm 0,7A$	6,0 $\pm 0,6A$	140x85x35 166x85x35	
70W	PMA 70 PCMA70	85±264Vac 100±375Vdc	.	.	.	.	3,0A	1,5A	.	.	.	.	.	.	.	.	.	140x85x35 166x85x35

High voltage modules PMA/PCMA series small size (S)

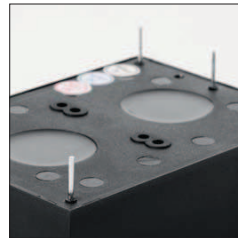
Power range	Model Watt	Input voltage	S (single output)						D (dual outputs)						T (triple outputs)		Dimensions mm	
			3,3V	5V	12V	15V	24V	48V	$\pm 5V$	$\pm 12V$	$\pm 15V$	$\pm 5/12V$	$\pm 5/15V$	$\pm 5/24V$	$5\pm 12V$	$5\pm 12V$		
5W	PMA S5	85±264Vac 100±375Vdc	1,4A	10A	0,42A	0,33A	0,21A	.	.	.	.	.	.	.	.	.	.	52x37x24
40W	PMAS 40 PCMAS 40	85±264Vac 100±375Vdc	.	7,0A	3,3A	2,6A	1,8A	.	.	.	.	.	.	.	.	.	.	90x65x33 120x65x33

Low voltage modules PMA/PCMA series standard size

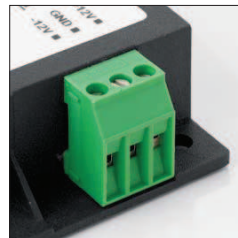
Power range	Model Watt	Input voltage	S (single output)						D (dual outputs)						T (triple outputs)		Dimensions mm
			3,3V	5V	12V	15V	24V	48V	$\pm 5V$	$\pm 12V$	$\pm 15V$	$\pm 5/12V$	$\pm 5/15V$	$\pm 5/24V$	$5\pm 12V$	$5\pm 12V$	
10W	PMN 10 PCMN 10	20/30±60Vac 20/36±72Vdc	2,0A	2,0A	0,84A	0,67A	0,42A	.	$\pm 1,0A$	$\pm 1,0A$	$\pm 0,3A$	0,7/ 0,25A	0,7/ 0,25A	0,7/ 0,15A	1,2± 0,12A	1,2± 0,1A	76x50x22,5 110x50x23
15W	PMN 15 PCMN 15	20/30±60Vac 20/36±72Vdc	3,0A	3,0A	1,3A	1,0A	0,6A	.	.	+0,6A -0,4A	+0,5/ 0,4A	1,0/ 0,4A	1,0/ 0,3A	1,0/ 0,3A	1,6± 0,15A	1,6± 0,15A	76x50x22,5 110x50x23
30W	PMN 30 PCMN 30	20/30±60Vac 20/36±72Vdc	6,0A	6,0A	2,5A	2,0A	1,3A	0,6A	.	$\pm 1,2A$	$\pm 1,0A$	3,0/ 1,2A	3,0/ 1,0A	3,0/ 0,6A	3,0± 0,6A	3,0± 0,5A	90x65x33 120x65x33
50W	PMN 50 PCMN 50	20/30±60Vac 20/36±72Vdc	12,0A	10,0A	4,1A	3,3A	2,0A	1,0A	.	+2,5/ -1,2A	+2,0/ -1,0A	6,0/ 1,2A	6,0/ 1,0A	6,0/ 0,7A	6,0± 0,7A	6,0± 0,6A	140x85x35 166x85x35

For last, complete, data-sheets see: www.powercontrolsystems.com

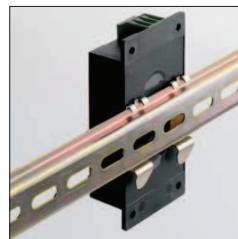
Technical data subject to change without notice



PMA/PMN series - PCB mounting.



PCMA/PCMN series.
Chassis mounting - screw connector.



PCMA/PCMN series. DIN-Rail
mounting.