

GREEN POWER PRODUCTS SELECTION GUIDE

Product Selection 04/17

DC/DC Converters



DC/DC Converters (Point of Load)



DC/DC Converters (Photovoltaic)



AC/DC Modules



LED Drivers



IGBT & SiC



AC/DC Din Rail



AC/DC Housing



THE GREEN POWER CONVERSION COMPANY

www.gaptec-electronic.com



Galvanic Isolated DC-DC Converters

Our DC-DC power supplies are trusted by OEMs and used in Industry Control, Medical applications, Telecom and Communication, Transportation and Railway. Our power supplies meet the most important specifications in terms of output voltage ripple, low noise, high density, high efficiency (up to 93%), wide operating temperature range (up to $-55^{\circ}\text{C}/+125^{\circ}\text{C}$), input/output insulation and EMC. GAPTEC has a broad range of DC-DC Converters, with Output Power ranges from 0.1 Watt to 150 Watts. Our Products are available as THT (Through Hole Technology) and SMT (Service Mount Technology), in ultra small packages with high power density and isolation voltages up to 4.2kVAC/6kVDC. GAPTEC Electronic offers customers short lead times and a 3-year warranty.

Galvanic Isolated DC-DC Converters for Photovoltaic Applications

Our DCP series DC-DC Converters are generally used in the control and monitoring system for photovoltaic installations. Those Converters are characterized by an extremely wide input voltage range of 200 - 1500VDC in and in addition they are offering a high galvanic isolation (4kVDC). The operating temperature range is from -40°C to $+85^{\circ}\text{C}$. Our DCP series offers the following power classes: 5, 10, 15 & 40 Watts, along with the common industry standard output voltages. All converters are SCP (short circuit protected) to protect the Converters and applications in the area of operation. The products are offered in compact size and in metal housings as through hole versions. GAPTEC Electronic offers customers short lead times and a 3-year warranty.



All parts are RoHs compliance and most with safety approvals (UL/CE).



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0.1 Watt, 0.25 Watt, 0.5 Watt and 1 Watt DC-DC Converters

SCP = Short Circuit Protection

Series	Case Size	Input Range	Input Voltage (VDC)	Output Voltage (VDC)	Isolation (kVDC)	Regulation	Certs	η max.	Operating Temp.	SCP
0.1S4A_1U	SIP4	±10%	3.3; 5; 12	3.3; 5; 9; 12; 15	1	-	-	86%	-40°C - +85°C	-
0.1D8A_1U	DIP8	±10%	3.3; 5; 12	3.3; 5; 9; 12; 15	1	-	-	86%	-40°C - +85°C	-
QS4A_1.5U	SIP4	±10%	3.3; 5; 9; 12; 15; 24	3.3; 5; 9; 12	1.5	-	UL	77%	-40°C - +105°C	•
QD8A_1U	DIP8	±10%	3.3; 5; 9; 12; 15; 24	3.3; 5; 9; 12; 15; 24	1	-	-	75%	-40°C - +85°C	-
QT8A_1.5UP	SMD8	±10%	3.3; 5; 9; 12; 15; 24	3.3; 5; 9; 12; 15; 24	1.5	-	-	80%	-40°C - +100°C	•
0.5S4E_1.5U	SIP4	±10%	5; 12; 24; 48	5; 9; 12; 15; 24	1.5	-	-	78%	-40°C - +85°C	-
0.5T8AV_3UP	SMD8	±10%	3.3; 5; 12	3.3; 5; 9; 12; 15	3	-	-	76%	-40°C - +85°C	•
1S4E_1.5U	SIP4	±10%	3.3; 5; 12; 15; 24; 48	3.3; 5; 9; 12; 15; 24	1.5	-	-	81%	-40°C - +85°C	-
1S4A_1.5UP	SIP4	±10%	3.3; 5; 9; 12; 15; 24	3.3; 5; 9; 12; 15; 24	1.5	-	UL	83%	-40°C - +100°C	•
1MS4A_1U	SIP4 Micro	±10%	3.3; 5; 12	3; 5; 12; 15	1	-	-	78%	-40°C - +95°C	-
1MS4A_3UP	SIP4 Micro	±10%	3.3; 5; 12; 24	3; 5; 9; 12; 15	3	-	-	81%	-40°C - +85°C	•
1D8E_1U	DIP8	±10%	3.3; 5; 12; 15; 24	3.3; 5; 9; 12; 15; 24	1	-	-	81%	-40°C - +85°C	-
1D8A_1.5UP	DIP8	±10%	3.3; 5; 9; 12; 15; 24	3.3; 5; 9; 12; 15; 24	1.5	-	UL	83%	-40°C - +100°C	•
1D8A_3U	DIP8	±10%	3.3; 5; 12; 24	3.3; 5; 9; 12; 15; 24	3	-	UL	78%	-40°C - +95°C	-
1D14B_1.5UP	DIP14	±10%	5; 12; 24	±5; ±9; ±12; ±15; ±24	1.5	-	UL	81%	-40°C - +105°C	•
1D14C_3UP	DIP14	±10%	3.3; 5; 12; 15; 24	3.3; 5; 12; 15; ±5; ±12; ±15	3	-	UL	81%	-40°C - +105°C	•
1S7A_DS1U	SIP7	±10%	5; 9; 12; 15; 24	Vout1: 3.3; 5; 9; 12; 15; 24 Vout2: 3.3; 5; 9; 12; 15; 24	1	-	-	80%	-40°C - +85°C	-
1S7A_DS3UP	SIP7	±10%	5; 9; 12; 15; 24	Vout1: 3.3; 5; 9; 12; 15; 24 Vout2: 3.3; 5; 9; 12; 15; 24	3	-	-	80%	-40°C - +85°C	•
1S7E_1.5UP	SIP7	±10%	3.3; 5; 12; 15; 24	3.3; 5; 9; 12; 15; 24; ±3.3; ±5; ±12; ±15; ±24	1.5	-	UL	80%	-40°C - +105°C	•
1S7E_3UP	SIP7	±10%	3.3; 5; 9; 12; 15; 24	3.3; 5; 9; 12; 15; 24; ±5; ±9; ±12; ±15; ±24	3	-	UL	76%	-40°C - +105°C	•
1S7B_6U	SIP7	±10%	5; 9; 12; 15; 24	5; 9; 12; 15; 24; ±5; ±9; ±12; ±15; ±24	6	-	-	80%	-40°C - +85°C	-
1S7B_6UP	SIP7	±10%	5; 12; 15; 24	3.3; 5; 9; 12; 15; 24; ±5; ±7.2; ±9; ±12; ±15	6	-	UL	82%	-40°C - +105°C	•
1S7A_1RP	SIP7	±5%	5; 12; 15; 24	5; 9; 12; 15; 24	1	•	-	75%	-40°C - +85°C	•
1S7WA_3RP	SIP7	2:1	4.5-9; 9-18; 18-36	5; 9; 12; 15; 24	3	•	-	83%	-40°C - +95°C	•
1S7WB_3RP	SIP7	2:1	4.5-9; 9-18; 18-36	5; 9; 12; 15; 24	3	•	-	83%	-40°C - +95°C	•
1S8W_1.5RP	SIP8	2:1	4.5-9; 9-18; 18-36; 36-75	5; 9; 12; 15; 24; ±5; ±12; ±15	1.5	•	-	79%	-40°C - +105°C	•

NEW: Feature Series



1S7WB_3RP

Power: 1 Watt

Case size: SIP7

Input Range: 2:1

Isolation: 3kVDC

Regulated: YES

SCP: YES

(Short Circuit Protected)

1 Watt, 1.5 Watts and 2 Watts DC-DC Converters

SCP = Short Circuit Protection

Series	Case Size	Input Range	Input Voltage (VDC)	Output Voltage (VDC)	Isolation (kVDC)	Regulation	Certs	η max.	Operating Temp.	SCP
1S8W_3RP	SIP8	2:1	4.5-9; 9-18; 18-36; 36-75	3.3; 5; 9; 12; 15; ± 5 ; ± 12 ; ± 15	3	•	-	81%	-40°C - +85°C	•
1S8W_2RP	SIP8	2:1	4.5-9; 9-18; 18-36	3.3; 5; 9; 12; 15; 24; ± 3.3 ; ± 5 ; ± 12 ; ± 15	2; 4	•	-	81%	-40°C - +100°C	•
1S8W4_2RP	SIP8	4:1	4.5-18; 9-36; 18-75	3.3; 5; 9; 12; 15; 24; ± 3.3 ; ± 5 ; ± 12 ; ± 15	2; 4	•	-	81%	-40°C - +100°C	•
1T8BV_1UP	SMD8	$\pm 10\%$	3.3; 5; 12; 15; 24	3.3; 5; 9; 12; 15	1	-	-	77%	-40°C - +85°C	•
1T8A_1.5UP	SMD8	$\pm 10\%$	3.3; 5; 12; 15; 24	3.3; 5; 9; 12; 15; 24	1.5	-	UL	81%	-40°C - +105°C	•
1T8A_3UP	SMD8	$\pm 10\%$	3.3; 5; 12; 15; 24	3.3; 5; 9; 12; 15; 24	3	-	UL	81%	-40°C - +105°C	•
1T8A_3.5UP	SMD8	$\pm 10\%$	5	5	3.5	-	TS	81%	-55°C - +125°C	•
1T10A_1.5UP	SMD10	$\pm 10\%$	3.3; 5; 12; 15; 24	± 3.3 ; ± 5 ; ± 9 ; ± 12 ; ± 15 ; ± 24	1.5	-	UL	82%	-40°C - +105°C	•
1T10A_3UP	SMD10	$\pm 10\%$	3.3; 5; 12; 15; 24	± 5 ; ± 9 ; ± 12 ; ± 15 ; ± 24	3	-	UL	82%	-40°C - +105°C	•
1T10A_1.5RP	SMD10	$\pm 10\%$	5; 12	5; 12; 15	1.5	•	-	70%	-40°C - +85°C	•
1T14A_1.5UP	SOIC-14	$\pm 10\%$	5	5	1.5	-	-	76%	-40°C - +105°C	•
1T14A_3RP	SOIC-14	$\pm 10\%$	5	5	3	-	-	72%	-40°C - +85°C	•
1.5D8A_1U	DIP8	$\pm 10\%$	5	5	1	-	-	70%	-40°C - +85°C	-
2S4E_1.5U	SIP4	$\pm 10\%$	5; 12; 24; 48	5; 9; 12; 15; 24	1.5	-	-	80%	-40°C - +85°C	-
2S4A_1.5UP	SIP4	$\pm 10\%$	5; 12; 24	5; 9; 12; 15	1.5	-	-	82%	-40°C - +85°C	•
2S7A_1.5UP	SIP7	$\pm 10\%$	5; 12; 15; 24	3.3; 5; 12; 15; 24; ± 3.3 ; ± 5 ; ± 12 ; ± 15 ; ± 24	1.5	-	UL	84%	-40°C - +105°C	•
2S7A_1RP	SIP7	$\pm 10\%$	5; 12; 15; 24	5; 12; 15	1	•	-	72%	-40°C - +85°C	•
2S7B_3UP	SIP7	$\pm 10\%$	5; 12; 15; 24	5; 12; 15; 24; ± 5 ; ± 12 ; ± 15 ; ± 24	3	-	UL	89%	-40°C - +105°C	•
2S7B_6UP	SIP7	$\pm 10\%$	5; 12; 24	5; 9; 12; 15; ± 5 ; ± 9 ; ± 12 ; ± 15	6	-	UL	80%	-40°C - +95°C	•
2S7WA_3RP	SIP7	2:1	4.5-9; 9-18; 18-36	5; 9; 12; 15; 24	3	•	-	83%	-40°C - +95°C	•
2S7WB_3RP	SIP7	2:1	4.5-9; 9-18; 18-36	5; 9; 12; 15; 24	3	•	-	83%	-40°C - +95°C	•
2D14B_1.5UP	DIP14	$\pm 10\%$	3.3; 5; 9; 12; 15; 24	3.3; 5; 9; 12; 15; 24; ± 5 ; ± 9 ; ± 12 ; ± 15 ; ± 24	1.5	-	UL	85%	-40°C - +95°C	•
2D14C_3UP	DIP14	$\pm 10\%$	5; 12; 15;	5; 9; 12; 15; 24; ± 5 ; ± 9 ; ± 12 ; ± 15 ; ± 24	3	-	UL	82%	-40°C - +105°C	•

NEW: Feature Series



1T8A_3.5UP

Case size: SMD8

Isolation: 3.5kVDC

TS16949: YES (Automotive)

Temp. Range: -55°C - +125°C

SCP: YES

(Short Circuit Protected):

2 Watts and 3 Watts DC-DC Converters

SCP = Short Circuit Protection

Series	Case Size	Input Range	Input Voltage (VDC)	Output Voltage (VDC)	Isolation (kVDC)	Regulation	Certs	η max.	Operating Temp.	SCP
2S8W_2RP	SIP8	2:1	4.5-9; 9-18; 18-36; 36-75	3.3; 5; 9; 12; 15; $\pm 3.3; \pm 5; \pm 12; \pm 15$	2; 4	•	-	80%	-40°C - +85°C	•
2D16W_1.5RP	DIP16	2:1	9-18; 18-36	3.3; 5; 12; 15; $\pm 5; \pm 12; \pm 15$	1.5	•	-	80%	-40°C - +85°C	•
2T16W_1.5RP	SMD16	2:1	9-18; 18-36	3.3; 5; 9; 12; 15; $\pm 5; \pm 12; \pm 15$	1.5	•	-	80%	-40°C - +85°C	•
2T8A_1.5UP	SMD8	$\pm 10\%$	5; 12; 15; 24	3.3; 5; 9; 12; 15; 24	1.5	-	-	82%	-40°C - +105°C	•
2T8A_3UP	SMD8	$\pm 10\%$	5; 12; 15; 24	5; 9; 12; 15; 24	3	-	-	80%	-40°C - +95°C	•
3MT28A_1.5UP	SMD28	$\pm 10\%$	5	5	1.5	-	-	85%	-40°C - +85°C	•
3S4A_1U	SIP4	$\pm 10\%$	5; 12; 24	5; 9; 12; 15; 24	1	-	-	86%	-40°C - +85°C	-
3S4A_1UP	SIP4	$\pm 10\%$	5; 12	5; 9; 12; 15; 24	1	-	-	86%	-40°C - +85°C	•
3S7A_1U	SIP7	$\pm 10\%$	3.3; 5; 12; 15; 24	5; 9; 12; 15; $\pm 5; \pm 9;$ $\pm 12; \pm 15$	1	-	-	90%	-40°C - +85°C	-
3S7B_3U	SIP7	$\pm 10\%$	3.3; 5; 12; 15; 24	5; 9; 12; 15; $\pm 5; \pm 9; \pm 12; \pm 15$	3	-	-	90%	-40°C - +85°C	-
3S7W_1RP	SIP7	2:1	9-18; 18-36; 36-75	3.3; 5; 9; 12; 15	1	•	-	85%	-40°C - +100°C	•
3S8W_1.5RP	SIP8	2:1	4.5-9; 9-18; 18-36; 36-75	5; 9; 12; 15; $\pm 5; \pm 9; \pm 12; \pm 15$	1.5	•	-	84%	-40°C - +95°C	•
3S8W_3RP	SIP8	2:1	4.5-9; 9-18; 18-36; 36-75	3.3; 5; 9; 12; 15; $\pm 5; \pm 9; \pm 12; \pm 15$	3	•	-	83%	-40°C - +85°C	•
3S8W_2RP	SIP8	2:1	4.5-9; 9-18; 18-36; 36-75	3.3; 5; 9; 12; 15; $\pm 5; \pm 12; \pm 15$	2 & 4	•	-	86%	-40°C - +100°C	•
3S8W4_2RP	SIP8	4:1	4.5-18; 9-36; 18-75	3.3; 5; 12; 15; $\pm 3.3;$ $\pm 5; \pm 12; \pm 15$	2; 4	•	-	86%	-40°C - +100°C	•
3S8W_2RP	SIP8	2:1	4.5-9; 9-18; 18-36; 36-75	3.3; 5; 9; 12; 15; $\pm 5; \pm 12; \pm 15$	2; 4	•	-	86%	-40°C - +100°C	•
3T14W4_1.5RP	SMD14	4:1	9-36; 18-75	5; 12; 15; 24	1.5	•	UL	83%	-40°C - +100°C	•
3T16W_1.5RP	SMD16	2:1	4.5-9; 9-18; 18-36; 36-72	5; 12; 15; $\pm 5;$ $\pm 12; \pm 15$	1.5	•	-	79%	-40°C - +85°C	•
3DAW_1.5	DIP24	2:1	4.5-9; 9-18; 18-36; 36-72	5; 9; 12; 15; 24; $\pm 9;$ $\pm 12; \pm 15; \pm 24$	1.5	•	-	81%	-40°C - +85°C	•
3TAW_1.5	SMD24	2:1	9-18; 18-36; 36-75	5; 12; 15; $\pm 5;$ $\pm 12; \pm 15$	1.5	•	-	85%	-40°C - +85°C	•
3DAW_3	DIP24	2:1	4.5-9; 9-18; 18-36; 36-75	3.3; 5; 12; 15; 24; $\pm 9; \pm 12; \pm 15$	3	•	-	86%	-40°C - +85°C	•
3DAW_2	DIP24	2:1	4.5-9; 9-18; 18-36; 36-75	3.3; 5; 12; 15; $\pm 3.3;$ $\pm 5; \pm 12; \pm 15$	2; 4; 6	•	-	85%	-40°C - +100°C	•
3DAW4_1.5	DIP24	4:1	9-36; 18-72	3.3; 5; 9; 12; 15; 24	1.5	•	-	83%	-40°C - +85°C	•
3DAW4_2	DIP24	4:1	4.5-18; 9-36; 18-75	3.3; 5; 12; 15; $\pm 5;$ $\pm 12; \pm 15$	2; 4; 6	•	-	86%	-40°C - +100°C	•

NEW: Feature Series



3DAW4_2

Power: 3 Watts

Case size: DIP24

Input Range: 4:1

Isolation: 6kVDC

Temp. Range: -40°C - +100°C

5 Watts, 6 Watts and 7.5 Watts DC-DC Converters

SCP = Short Circuit Protection

Series	Case Size	Input Range	Input Voltage (VDC)	Output Voltage (VDC)	Isolation (kVDC)	Regulation	Certs	η max.	Operating Temp.	SCP
5S8W_2RP	SIP8	2:1	4.5-9; 9-18; 18-36; 36-75	3.3; 5; 12; 15; ±5; ±12; ±15	2; 4	•	-	85%	-40°C - +100°C	•
5S8W4_2RP	SIP8	4:1	9-36; 18-75	3.3; 5; 12; 15; ±5; ±12; ±15	2; 4	•	-	85%	-40°C - +85°C	•
5DAW_2	DIP24	2:1	4.5-9; 9-18; 18-36; 36-75	3.3; 5; 12; 15; ±5; ±12; ±15	2; 4; 6	•	-	87%	-40°C - +100°C	•
5DAW4_2	DIP24	4:1	9-36; 18-75	3.3; 5; 9; 12; 15; ±5; ±9; ±12; ±15	2; 4; 6	•	-	85%	-40°C - +100°C	•
5TAW_1.5	SMD24	2:1	9-18; 18-36; 36-72	5; 12; 15; ±5; ±12; ±15	1.5	•	-	85%	-40°C - +85°C	•
6S8W_3RP	SIP8	2:1	4.5-9; 9-18; 18-36; 36-75	5; 9; 12; 15; ±5; ±12; ±15	3	•	-	88%	-40°C - +85°C	•
6DAW_1.5	DIP24	2:1	9-18; 18-36; 36-72	5; 9; 12; 15; 24; ±9; ±12; ±15; ±24	1.5	•	-	87%	-40°C - +85°C	•
6DAW4_1.5	DIP24	4:1	9-36; 18-75	3.3; 5; 9; 12; 15; ±5; ±12; ±15	1.5	•	-	88%	-40°C - +85°C	•
6DMW_1.5	1"x1"	2:1	9-18; 18-36	5; 12; 15; 24; ±5; ±12; ±15	1.5	•	UL	87%	-40°C - +85°C	•
6DMW4_1.5	1"x 1"	4:1	9-36; 18-75	5; 9; 12; 15; 24; ±5; ±12; ±15; ±24	1.5	•	UL	88%	-40°C - +85°C	•
6DAW4_S3	DIP24	4:1	9-36; 18-72	3.3; 5; 9; 12; 15; 24;	3	•	-	88%	-40°C - +85°C	•
6DAW4_D3	DIP24	4:1	9-36	±5; ±12; ±15	3	•	-	86%	-40°C - +85°C	•
6DAW4_6	DIP24	4:1	9-36; 18-72	5; 9; 12; 15; 24;	6	•	-	85%	-40°C - +85°C	•
7.5DAW_2	DIP24	2:1	9-18; 18-36; 36-75	3.3; 5; 9; 12; 15; 24; ±5; ±9; ±12; ±15; ±24	2	•	-	87%	-40°C - +100°C	•

NEW: Feature Series



6DMW4_1.5

Power: 6 Watts

Case size: 1" x 1"

Input Range: 4:1

Output: Single & Dual

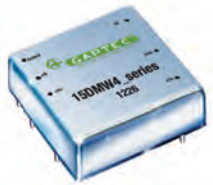
Temp. Range: -40°C - +85°C

8 Watts, 9 Watts, 10 Watts, 12 Watts and 15 Watts DC-DC Converters

SCP = Short Circuit Protection

Series	Case Size	Input Range	Input Voltage (VDC)	Output Voltage (VDC)	Isolation (kVDC)	Regulation	Certs	η max.	Operating Temp.	SCP
8DPW_1.6	DIP24	2:1	4.5-9; 9-18; 18-36; 36-72	3.3; 5; 12; 15; ± 5 ; ± 12 ; ± 15	1.6	•	-	86%	-40°C - +85°C	•
8DPW4_1.6	DIP24	4:1	9-36; 18-75	3.3; 5; 12; 15; ± 5 ; ± 12 ; ± 15	1.6	•	-	86%	-40°C - +85°C	•
8DPRW4_3	DIP24	4:1	13-70; 42-176	3.3; 5; 12; 15; ± 5 ; ± 12 ; ± 15	3	•	-	86%	-40°C - +85°C	•
9S8W4_1.6RP	SIP8	4:1	9-36; 18-75	3,3; 5; 9; 12; 15; 24; ± 5 ; ± 12 ; ± 15 1.6		•	-	89%	-40°C - +85°C	•
10DPW_1.5	DIP24	2:1	9-18; 18-36; 36-75	3.3; 5; 12; 15; ± 5 ; ± 12 ; ± 15	1.5	•	-	83%	-40°C - +85°C	•
10DPW4_1.5	DIP24	4:1	9-36; 18-75	3.3; 5; 12; 15; ± 5 ; ± 12 ; ± 15	1.5	•	-	83%	-40°C - +85°C	•
10DMW4_1.5	1"x1"	4:1	9-36; 18-75	3.3; 5; 9; 12; 15; 24; ± 5 ; ± 9 ; ± 12 ; ± 15 ; ± 24	1.5	•	UL	88%	-40°C - +85°C	•
10DAW_1.5	2"x1"	2:1	9-18; 18-36; 36-72	3.3; 5; 12; 15; 24; ± 5 ; ± 12 ; ± 15 ; ± 24	1.5	•	-	88%	-40°C - +85°C	•
10DAW4_1.5	2"x1"	4:1	9-36; 18-75	3.3; 5; 12; 15; 24; ± 5 ; ± 12 ; ± 15	1.5	•	UL	87%	-40°C - +85°C	•
12DPW_1.5	DIP24	2:1	9-18; 18-36; 36-75	3.3; 5; 12; 15; ± 5 ; ± 12 ; ± 15	1.5	•	-	83%	-40°C - +85°C	•
12DPW4_1.5	DIP24	4:1	9-36; 18-75	3.3; 5; 12; 15; ± 5 ; ± 12 ; ± 15	1.5	•	-	83%	-40°C - +85°C	•
15DPW_1.6	DIP24	2:1	9-18; 18-36; 36-75	3.3; 5; 12; 15; ± 5 ; ± 12 ; ± 15	1.6	•	-	90%	-40°C - +85°C	•
15DMW_1.5	1"x1"	2:1	9-18; 18-36; 36-75	3.3; 5; 12; 15; ± 12 ; ± 15	1.5	•	-	89%	-40°C - +75°C	•
15DMW4_1.5	1"x1"	4:1	9-36; 18-75	3.3; 5; 12; 15; ± 12 ; ± 15	1.5	•	-	88%	-40°C - +75°C	•
15DAW_1.5	2"x1"	2:1	9-18; 18-36; 36-75	3.3; 5; 12; 15; 24; ± 5 ; ± 12 ; ± 15 ; ± 24	1.5	•	UL	90%	-40°C - +85°C	•
15DAW4_1.5	2"x1"	4:1	9-36; 18-75	3.3; 5; 12; 15; 24; ± 5 ; ± 12 ; ± 15	1.5	•	-	90%	-40°C - +85°C	•

NEW: Feature Series



15DMW4_1.5

Power: 15 Watts

Case size: 1" x 1"

Input Range: 4:1

Output: Single & Dual

Temp. Range: -40°C - +75°C

20 Watts, 30 Watts, 40 Watts, 50 Watts, 60 Watts, 75 Watts, 100 Watts and 150 Watts DC-DC Converters

SCP = Short Circuit Protection

Series	Case Size	Input Range	Input Voltage (VDC)	Output Voltage (VDC)	Isolation (kVDC)	Regulation	Certs	η max.	Operating Temp.	SCP
20DMW_1.5	1"x1"	2:1	9-18; 18-36; 36-75	3.3; 5; 12; 15; ±12; ±15	1.5	•	-	90%	-40°C - +85°C	•
20DMW4_1.5	1"x1"	4:1	9-36; 18-75	3.3; 5; 12; 15; ±12; ±15	1.5	•	-	90%	-40°C - +85°C	•
20DAW_1.5	2"x1"	2:1	9-18; 18-36; 36-75	3.3; 5; 12; 15; 24; ±5; ±12; ±15; ±24	1.5	•	UL	90%	-40°C - +85°C	•
20DAW4_1.5	2"x1"	4:1	9-36; 18-75	3.3; 5; 9; 12; 15; 24; ±5; ±9; ±12; ±15	1.5	•	UL	90%	-40°C - +85°C	•
20DAW4_3	2"x1"	4:1	9-36; 18-75	3.3; 5; 9; 12; 15; 24	3	•	UL	89%	-40°C - +85°C	•
30DAW_1.5	2"x1"	2:1	18-36; 36-75	3.3; 5; 12; 15; 24	1.5	•	UL	88%	-40°C - +85°C	•
30DMW4_1.6	1"x1"	4:1	9-36; 18-75	3.3; 5; 12; 15; ±12; ±15	1.6	•	-	92%	-40°C - +85°C	•
30DAW4_1.5	2"x1"	4:1	9-36; 18-75	3.3; 5; 12; 15; ±12; ±15	1.5	•	UL	88%	-40°C - +85°C	•
30DBW4_1.5	2"x1.6"	4:1	9-36; 18-75	3.3; 5; 9; 12; 15; 24	1.5	•	-	89%	-40°C - +75°C	•
40DAW_1.5	2"x1"	2:1	9-18; 18-36; 36-75	3.3; 5; 12; 15; ±12; ±15	1.5	•	-	91%	-40°C - +85°C	•
40DAW4_1.5	2"x1"	4:1	9-36; 18-75	3.3; 5; 12; 15; ±12; ±15	1.5	•	•	90%	-40°C - +85°C	•
40DDW_1.5	2"x2"	2:1	9-18; 18-36; 36-75	3.3; 5; 12; 15; ±12; ±15	1.5	•	-	91%	-40°C - +85°C	•
40DDW4_1.5	2"x2"	4:1	9-36; 18-75	3.3; 5; 12; 15; ±12; ±15	1.5	•	-	90%	-40°C - +75°C	•
50DAW_1.5	2"x1"	2:1	18-36; 36-75	3.3; 5; 12; 15; 24	1.5	•	-	93%	-40°C - +75°C	•
QB50_3	Q-Brick	wide	66-160	24	3	•	-	92%	-40°C - +100°C	•
60DDW_1.5	2"x2"	2:1	18-36; 36-75	3.3; 5; 12; 15	1.5	•	-	90%	-40°C - +70°C	•
60DDW_3	2"x2"	2:1	9-18; 18-36; 36-75	5; 12; 15; ±5; ±12; ±15	3	•	-	88%	-40°C - +70°C	•
60DAW_1.6	2"x1"	2:1	18-36; 36-75	3.3; 5; 12; 15	1.6	•	-	91%	-40°C - +85°C	•
60DDW4_3	2"x2"	4:1	9-36; 18-75	5; 12; 15; ±5; ±12; ±15	3	•	-	88%	-40°C - +80°C	•
QB75_3	Q-Brick	wide	66-160	24	3	•	-	92%	-40°C - +100°C	•
QB100_3	Q-Brick	wide	66-160	24	3	•	-	92%	-40°C - +100°C	•
100BAW_1.5	H-Brick	2:1 ; 4:1	4.5-9; 9-18; 18-36; 9-36; 18-72	3.3; 5; 12; 15; 24; 48	1.5	•	-	80%	-25°C - +85°C	•
150HB4_2.25	H-Brick	4:1	18-72	28; 48	2.25	•	-	80%	-25°C - +85°C	•

NEW: Feature Series



QB100_3

Power: 100 Watts

EN50155: YES (Railway)

Case size: Q-Brick

Input Range: 66-160VDC

Isolation: 3kVDC

Temp. Range: -40°C - +100°C

DC-DC LED Drivers

Our Constant Current DC-DC LED Drivers offer a very wide input voltage range to guarantee a constant light level throughout the life span of driving LED's. Possible Applications can be found in the consumer & the industrial area. Selected types offer the option/ability to either use the Analogue or the PWM dimming mode. The selected small case sizes (Micro DIP, DIP24 or the SMD16 housing for SMT processing) allow currents of 300 - 1200mA and meet the EN55015 Standard with the already built-in EMI filter. Continuous Short Circuit Protection (SCP) and high efficiencies up to 97% ensure a long life and very high MTBF values. GAPTEC Electronic offers customers short lead times and a 3-year warranty.

DC-DC IGBT & SiC Power Modules

Our brand new regulated DC-DC Power Modules Series - especially designed for driving IGBT and SiC Drivers - can be widely used in Frequency Transformers, AC Servo Control Systems, Welding Equipment and UPS (Uninterruptible Power Supplies). Specially tailored to meet the IGBT & SiC Driver Technology Standard, those Power Modules offer a wide range of protection features - such as: Output Overvoltage Protection and (SCP) Continuous Short Circuit Protection, that grant a safe operation. High insulation up to 6kVDC, isolated outputs and an operating temperature range from -40°C to $+105^{\circ}\text{C}$ meet all the safety requirements for SiC Drivers. The Power Modules are designed according to EN60950 & IEC 60950 requirements. GAPTEC Electronic offers customers short lead times and a 3-year warranty.



High efficient DC-DC LED Driver in miniature dimensions. Now available at GAPTEC Electronic.



DC-DC Power Modules Series - designed for driving IGBT and SiC Drivers in Frequency Transformers, AC Servo Control Systems, Welding Equipment and UPS.

5 Watts, 10 Watts, 15 Watts and 40 Watts Galvanic Isolated DC-DC Converters Photovoltaic

SCP = Short Circuit Protection

Series	Case Size	Input Range	Input Voltage (VDC)	Output Voltage (VDC)	Isolation (kVDC)	Regulation	Certs	η max.	Operating Temp.	SCP
5DCP_4	DIP (74.0 x 52.0 mm)	wide	200 – 1200	5	4	•	-	83%	-40°C - +75°C	•
10DCP_4	DIP (74.0 x 52.0 mm)	wide	200 – 1200	5; 9; 24	4	•	-	83%	-40°C - +75°C	•
10DCPW_4	DIP (125.0 x 75.0 mm)	wide	200 – 1500	5	4	•	-	68%	-40°C - +75°C	•
15DCP_4	DIP (70.0 x 48.0 mm)	wide	100 – 1200	12; 15; 24	4	•	-	80%	-40°C - +70°C	•
15DCPW_4	DIP (125.0 x 75.0 mm)	wide	200 – 1500	12; 15; 24	4	•	-	74%	-40°C - +70°C	•
40DCP_4	DIP (89.0 x 63.5 mm)	wide	200 – 1200	12; 15; 24	4	•	-	84%	-40°C - +70°C	•
40DCPW_4	DIP (125.0 x 75.0 mm)	wide	200 – 1500	12; 15; 24	4	•	-	81%	-40°C - +75°C	•

4.8 Watts and 5 Watts Galvanic Isolated DC-DC Converters IGBT & SiC

Series	Case Size	Input Range	Input Voltage (VDC)	Output Voltage (VDC)	Isolation (kVDC)	Regulation	Certs	η max.	Operating Temp.	SCP
5DABT	DIP24	2:1	9-18; 18-36	+15/-9	3	•		85%	-40°C - +85°C	•
5S7BT	SIP7	±10%	12; 15; 24	+9; +9/-9; +15/-8; +15/-8.7; +17/-8.7	3	•	UL&CB	80%	-40°C - +105°C	•
5S7SiC	SIP7	±10%	15	+20/-4	3kVAC/6kVDC	•	UL&CE	83%	-40°C - +105°C	•

Wide input range and non-isolated DC-DC LED Drivers

Series	Case Size	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (A)	Regulation	η max.	Operating Temp.	Dimming	SCP
LEDD10	DIP (22.8 x 10.2 mm)	5.5 – 48	3.3 – 36	0.30 – 0.7	•	95%	-40°C - +85°C	Analogue & PWM	•
LEDD10_A	DIP (22.8 x 10.2 mm)	5.5 – 48	3.3 – 36	0.30 – 0.7	•	95%	-40°C - +85°C	Analogue	•
LEDD10_P	DIP (22.8 x 10.2 mm)	5.5 – 48	3.3 – 36	0.30 – 0.7	•	95%	-40°C - +85°C	PWM	•
LEDW10	DIP (22.3 x 12.55 mm)	5.5 – 48	3.3 – 36	0.30 – 0.7	•	96%	-40°C - +85°C	Analogue & PWM	•
LEDW10_A	DIP (22.3 x 12.55 mm)	5.5 – 48	3.3 – 36	0.30 – 0.7	•	96%	-40°C - +85°C	Analogue	•
LEDW10_P	DIP (22.3 x 12.55 mm)	5.5 – 48	3.3 – 36	0.30 – 0.7	•	96%	-40°C - +85°C	PWM	•
LEDT16	SMD 16	5.5 – 48	3.3 – 36	0.30 – 0.7	•	96%	-40°C - +85°C	Analogue & PWM	•
LEDD16	DIP16	7 – 30	2 – 28	0.5 – 1.0	•	95%	-40°C - +85°C	Analogue & PWM	•
LEDD24	DIP24	5.5 – 48	3.3 – 36	1.0 – 1.2	•	97%	-40°C - +85°C	Analogue & PWM	•
LEDD24_A	DIP24	5.5 – 48	3.3 – 36	1.0 – 1.2	•	97%	-40°C - +85°C	Analogue	•
LEDD24_P	DIP24	5.5 – 48	3.3 – 36	1.0 – 1.2	•	97%	-40°C - +85°C	PWM	•

NEW: Feature Series



LEDD16

Input Range: Wide

(7 - 30VDC)

Dimming: Analogue & PWM

Capacitive

Loads: 1000uF

Efficiency: Very High (95%)

Short Circuit

Protected: YES (SCP)

DC-DC Converters

Standard Size Non Isolated Switching Regulators (POL) and Micro Size Non Isolated Switching Regulators (POL)

Our DC-DC Converters (POL) are trusted by OEMs and used in Long-time Stand-by Battery, Handheld Equipment and Portable devices. Those converters are designed as an alternative to replace triple-port linear regulators. Our Point of Load Switching Regulators meet the most important specifications in terms of output voltage ripple, low noise, high density, high efficiency (up to 96%), wide operating temperature range (up to -40°C to $+85^{\circ}\text{C}$). GAPTEC has a broad range of DC-DC Converters, with Output Power ranges from 1 watt to 30 watts. Products are available as Board Mount and Chassis Mount. GAPTEC Electronic offers customers short lead times and a 3-year warranty.

NEW: Feature Series



LCB78_0.5

Input range: Ultra wide (4,5 – 55VDC)

Power: 0,5A

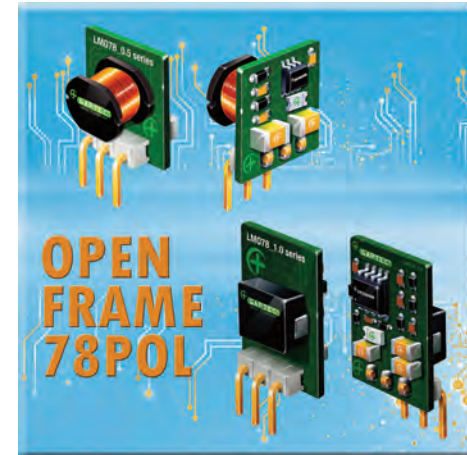
Point of Load: YES

Low Quiescent current: 200uA typ.

Short Circuit Protected (SCP): YES

Low profile: (L x W x H = 11,6 x 6.0 x 10.2mm)

GAPTEC Green Power Technology



The LM078_1.0 are high efficiency Switching Regulators and ideal substitutes of LM78xx series three-terminal linear regulators. The product is featured with high efficiency, low loss, Short Circuit Protection (SCP) and no heat sink requirement. They are widely used in industrial control, instrumentation and electric power applications.



Standard Size Non Isolated Switching Regulators (POL) DC-DC Converters

SCP = Short Circuit Protection

Series	Case Size	Input Range	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (A)	Isolation (kVDC)	Regulation	η max. Operating Temp.	SCP
LMS78_0.5	SIP3	wide	4.75 - 36	3.3; 5; 9; 12; 15	0.5	Non-isolated	•	96% -40°C - +85°C	•
LMS78_0.5R	SIP3	wide	4.75 - 36	3.3; 5; 9; 12; 15	0.5	Non-isolated	•	96% -40°C - +85°C	•
LM078_0.5	SIP3 open frame	wide	4.75 - 36	3.3; 5; 12; 15	0.5	Non-isolated	•	93% -40°C - +85°C	•
LMT78_0.5	SMD	wide	4.75-28	3.3; 5; 9; 12; 15	0.5	Non-isolated	•	95% -40°C - +85°C	•
LMW78_0.5	SIP3	wide	9 - 72	3.3; 5; 6.5; 9; 12; 15; 24	0.5	Non-isolated	•	95% -40°C - +85°C	•
LM078_1.0	SIP3 open frame	wide	4.75 - 32	3.3; 5; 12; 15	1.0	Non-isolated	•	94% -40°C - +85°C	•
LMS78_1.0R	SIP3	wide	6-36	3.3; 5; 9; 12; 15	1.0	Non-isolated	•	94% -40°C - +85°C	•
LMN78_1.0	SIP3	wide	4.5-36	1.2; 1.5; 1.8; 2.5; 3.3; 5; 6.5; 9; 12; 15	1.0	Non-isolated	•	96% -40°C - +85°C	•
LMT78_1.0	SMD	wide	4.75-18	3.3; 5	1.0	Non-isolated	•	95% -40°C - +85°C	•
LMS78_1.5	SIP3	wide	4.75 - 18	1.5; 1.8; 2.5; 3.3; 5; 6.5	1.5	Non-isolated	•	95% -40°C - +85°C	•
LMS78_2.0	SIP3	wide	4.75 - 18	1.5; 1.8; 2.5; 3.3; 5; 6.5	2.0	Non-isolated	•	92% -40°C - +85°C	•

Micro Size Non Isolated Switching Regulators (POL) DC-DC Converters

Series	Case Size	Input Range	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (A)	Isolation (kVDC)	Regulation	η max. Operating Temp.	SCP
LC78_0.5	SIP3	wide	4.75 - 28	3.3; 5; 12	0.5	Non-isolated	•	95% -40°C - +85°C	•
LCN78_0.5	SIP3	wide	4.75 - 42	3.3; 5; 12	0.5	Non-isolated	•	96% -40°C - +85°C	•
LCP78_0.5	SIP3	wide	4.75 - 42	3.3; 5	0.5	Non-isolated	•	95% -40°C - +85°C	•
LCB78_0.5	SIP3	wide	4.75 - 55	3.3; 5	0.5	Non-isolated	•	95% -40°C - +85°C	•
LCW78_0.5	SIP3	wide	9 - 75	3.3; 5; 12	0.5	Non-isolated	•	89% -40°C - +85°C	•
LCE78_1.0	SIP3	wide	4.75 - 28	3.3; 5	1.0	Non-isolated	•	85% -40°C - +85°C	•
LC78_1.0	SIP3	wide	4.5 - 42	3.3; 5; 12	1.0	Non-isolated	•	93% -40°C - +85°C	•
LMP78_1.0	SIP3	wide	4.5 - 42	1.2; 1.5; 1.8; 2.5; 3.3; 5; 6.5; 9; 12; 15	1.0	Non-isolated	•	97% -40°C - +85°C	•
LMP78_1.5	SIP3	wide	4.75 - 36	3.3; 5	1.5	Non-isolated	•	88% -40°C - +85°C	•
LC78_2.0	SIP3	wide	4.5 - 30	1.8; 2.5; 3.3; 5; 12	2.0	Non-isolated	•	94% -40°C - +85°C	•
LC78_3.0	SIP3	wide	4.5 - 28	1.8; 2.5; 3.3; 5	3.0	Non-isolated	•	95% -40°C - +85°C	•

High Power Non Isolated Switching Regulators (POL) DC-DC Converters

Series	Case Size	Input Range	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (A)	Isolation (kVDC)	Regulation	η max. Operating Temp.	SCP
LOT_6	SMD & SIP	wide	2.4-5.5; 8.3-14	0.75-3.3; 0.75-5	6	Non-isolated	•	93% -40°C - +85°C	•
LOT_10	SMD	wide	8.3-14	0.75-5.0	10	Non-isolated	•	94% -40°C - +85°C	•
LOT_16	SMD & SIP	wide	8.3-14	0.75-5.0	16	Non-isolated	•	92% -40°C - +85°C	•

NEW: Feature Series



LC78_3.0

Power: 3 Ampere!

Point of Load: YES

Case size: SIP3 Mikro

Input Range: 4,5 - 28VDC

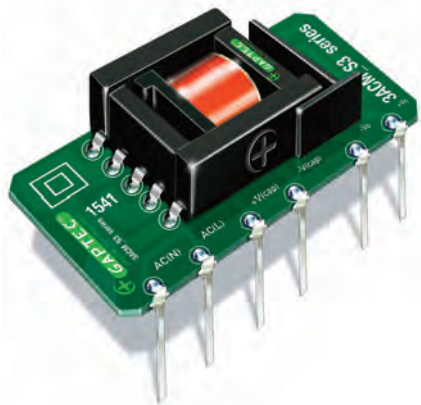
Efficiency: 95%

Galvanic Isolated AC-DC Modules

PCB mounted, DIN Rail versions and Housing

Our standard and custom designed AC-DC Power Modules are qualified by OEMs and used for Municipal AC Electric Power Systems, Instrument and Metering, Communication and Medical Equipment. The modules provide universal input, high efficiency, high reliability, very low stand-by power and they are energy saving. Our AC-DC Modules meet the most important requirements as far as operating temperature (-40°C up to $+71^{\circ}\text{C}$), low ripple/noise, multiple protections, and they come with very small size dimensions. The parts provide universal input: 85VAC up to 264VAC or (120-370VDC). GAPTEC Electronic offers customers short lead times and a 3-year warranty.

NEW: Feature Series



3ACM_S3

Description: Ultra Small Open Frame Module

Case size: SIP12

Meets UL60950: YES

- Flexible design of peripheral circuits
- High efficiency
- High power density
- Over current & Short Circuit Protection
- Low power consumption
- GAPTEC Green Power Technology



The new 960ACDR series features cost-effective, standard rail mounting and is highly energy efficient. EMC and safety specifications meet the international IEC61000, UL60950 and EN60950 standards. This series of products can be used in industrial control equipment, machinery and railway transport.



1 Watt, 2 Watts, 3 Watts, 5 Watts, 10 Watts and 12 Watts - Galvanic Isolated AC-DC Modules

SCP = Short Circuit Protection

Series	Case Size	Input Range	Input Voltage	Output Voltage (VDC)	Isolation (kVAC)	Regulation	Certs	η max.	Operating Temp.	SCP
1ACA	DIP 33.7 x 22.2 mm	wide	85-305VAC; 47-63Hz; 120-430VDC	3.3; 5; 9; 12; 15; 24	3	•	UL & CE	75%	-40°C - +70°C	•
1ACM	SIP12 (open frame)	wide	85-264VAC; 47-63Hz; 70-400VDC	5; 9; 12; 15; 24	3	•	UL & CE	70%	-40°C - +85°C	•
1ACN	DIP 37 x 24.5 mm	wide	165-264VAC; 47-63Hz; 233-370VDC	5; 12; 24	3	•	CE	70%	-40°C - +70°C	•
2ACA	DIP (33.7 x 22.2 mm)	wide	85-305VAC; 47-63Hz; 120-430VDC	3.3; 5; 9; 12; 15; 24	3	•	UL & CE	78%	-40°C - +70°C	•
2ACN	DIP 37 x 24.5 mm	wide	165-264VAC; 47-63Hz; 233-370VDC	5; 12; 24	3	•	CE	70%	-40°C - +70°C	•
3ACA	DIP (37 x 23 mm)	wide	85-264VAC; 47-63Hz; 120-370VDC	3.3; 5; 9; 12; 15; 24	3	•	UL & CE	73%	-40°C - +85°C	•
3ACM	SIP12 (open frame)	wide	85-264VAC; 47-63Hz; 70-400VDC	3.3; 5; 9; 12; 15; 24	3	•	UL & CE	78%	-40°C - +85°C	•
3ACN	DIP 37 x 24.5 mm	wide	165-264VAC; 47-63Hz; 233-370VDC	5; 12; 24	3	•	CE	70%	-40°C - +70°C	•
5ACA	DIP (50.8 x 25.4 mm)	wide	85-264VAC; 47-63Hz; 110-370VDC	3.3; 5; 9; 12; 15; 24	4	•	UL & CE	78%	-40°C - +70°C	•
5ACAW	DIP (53.8 x 28.8 mm)	ultra wide	85-305VAC; 47-63Hz; 120-430VDC	3.3; 5; 9; 12; 15; 24	4	•	UL & CE	80%	-40°C - +70°C	-
5ACB	DIP (48.5 x 36 mm)	wide	85-264VAC; 47-63Hz; 120-370VDC	3.3; 5; 9; 12; 15; 24; ±5; ±12; ±15; ±24	3	•	UL & CE	82%	-40°C - +85°C	•
5ACM	SIP14 (open frame)	wide	85-264VAC; 47-63Hz; 70-400VDC	3.3; 5; 9; 12; 15; 24	3	•	UL & CE	79%	-40°C - +85°C	•
10ACA	DIP (53.8 x 28.8 mm)	wide	85-264VAC; 47-63Hz; 120-370VDC	3.3; 5; 9; 12; 15; 24	4	•	UL & CE	80%	-40°C - +70°C	•
10ACAW	DIP (53.8 x 28.8 mm)	ultra wide	85-305VAC; 47-63Hz; 120-430VDC	3.3; 5; 9; 12; 15; 24	3	•	UL & CE	80%	-40°C - +70°C	-
10ACB	DIP (55 x 45 mm)	wide	85-264VAC; 47-63Hz; 120-370VDC	3.3; 5; 9; 12; 15; 24; ±5; ±12; ±15; ±24	3	•	UL & CE	84%	-40°C - +70°C	•
12ACA	DIP (53.5 x 28.8 mm)	wide	85-264VAC; 47-63Hz; 120-370VDC	3.3; 5; 12; 15; 24	4	•	UL & CE	83%	-40°C - +70°C	•

NEW: Feature Series



10ACAW

Power: 10 Watts
Isolation: 3kVAC
EN60601: YES (ITE & EMC)
UL60950: YES (Medical)
Ultra Wide Input Range: 85-305VAC
 120-430VDC
Over Temp. Protection: YES

15, 20, 25, 40, and 60 Watts - Galvanic Isolated AC-DC Modules

SCP = Short Circuit Protection

Series	Case Size	Input Range	Input Voltage	Output Voltage (VDC)	Isolation (kVAC)	Regulation	Certs	η max.	Operating Temp.	SCP
15ACB	DIP (62 x 45 mm)	wide	85-264VAC; 47-63Hz; 120-370VDC	3.3; 5; 9; 12; 15; 24; ±5; ±12; ±15; ±24	3	•	UL & CE	83%	-40°C - +70°C	•
20ACA	DIP (53.8 x 28.8 mm)	wide	85-264VAC; 47-63Hz; 120-370VDC	3.3; 5; 12; 15; 24	3	•	UL & CE	83%	-40°C - +70°C	•
20ACB	DIP (70 x 48 mm)	wide	85-264VAC; 47-63Hz; 120-370VDC	3.3; 5; 9; 12; 15; 24; ±5; ±12; ±15; ±24	3	•	UL & CE	83%	-40°C - +70°C	•
25ACB	DIP (70 x 48 mm)	wide	85-264VAC; 47-63Hz; 120-370VDC	3.3; 5; 9; 12; 15; 24; 48	3	•	UL & CE	87%	-40°C - +70°C	•
40ACB	DIP (89 x 63.5 mm)	wide	85-264VAC; 47-63Hz; 120-370VDC	3.3; 5; 12; 24	3	•	UL & CE	85%	-40°C - +70°C	•
60ACB	DIP (96.3 x 58.5 mm)	wide	85-264VAC; 47-63Hz; 120-370VDC	3.3; 5; 9; 12; 15; 24; 48	3	•	UL & CE	86%	-40°C - +70°C	•

75, 120, 240, 360, 480 and 960 Watts Galvanic Isolated DIN Rail AC-DC Modules

Series	Case Size	Input Range	Input Voltage	Output Voltage (VDC)	Isolation (kVAC)	Regulation	Certs	η max.	Operating Temp.	SCP
75ACDR_S	(124 x 119 x 32mm)	wide	85-264VAC; 127-360Vdc; 47-63Hz	12; 24; 48	3	•	UL & CE	91%	-25°C ~ +70°C	•
120ACDR_SC	(124 x 119 x 32mm)	wide	85-264VAC; 127-360Vdc; 47-63Hz	12; 24; 48	3	•	UL & CE	92%	-25°C ~ +70°C	•
240ACDR_SC	(124 x 119 x 45mm)	wide	85-264VAC; 127-375Vdc; 47-63Hz	24; 48	3	•	UL & CE	94%	-25°C ~ +70°C	•
360ACDR_SC	(127 x 124 x 50mm)	wide	85-264VAC; 47-63Hz	24; 36; 48	3	•	UL & CE	93%	-25°C ~ +70°C	•
480ACDR_SC	(127 x 124 x 70mm)	wide	85-264VAC; 130-350Vdc; 47-63Hz	24; 48	3	•	UL & CE	93,8%	-25°C ~ +70°C	•
960ACDR_SC	(138.2 x 124.6 x 140mm)	wide	85-264VAC; 220-370Vdc; 47-63Hz	24	3	•	UL & CE	94,4%	-25°C ~ +70°C	•

35, 50, 240, 75, 100, 150, 200 and 320 Watts Galvanic Isolated Housing AC-DC Modules

Series	Case Size	Input Range	Input Voltage	Output Voltage (VDC)	Isolation (kVAC)	Regulation	Certs	η max.	Operating Temp.	SCP
35ACP_S	(101.6 x 63.5 x 33mm)	wide	90-264VAC; 47-63Hz; 127-370VDC	5; 12; 15; 24; 48	3	•	UL & CE	88%	-25°C ~ 70°C	•
50ACP_S	(99 x 82 x 35mm)	wide	88-264VAC; 47-63Hz; 127-370VDC	5; 12; 15; 24; 48	3	•	UL & CE	88,5%	-25°C ~ 70°C	•
75ACP_S	(129 x 98 x 38mm)	wide	90-264VAC; 47-63Hz	5; 12; 15; 24; 48	3	•	UL & CE	88%	-25°C ~ 70°C	•
100ACP_SC	(199 x 99 x 38mm)	wide	85-264VAC; 47-63Hz	12; 24; 36; 48	3	•	UL & CE	87%	-20°C ~ 65°C	•
100ACPM_SC	(129 x 98,3 x 37,6mm)	wide	90-264VAC; 47-63Hz	5; 12; 24; 48	3	•	UL & CE	88%	-20°C ~ 60°C	•
150ACPM_SC	(160 x 99 x 38mm)	wide	90-264VAC; 120 - 370VDC; 47-63Hz	12; 15; 24; 48	3	•	UL & CE	88%	-20°C ~ 70°C	•
150ACP_S	(199 x 98.3 x 38mm)	wide	90-132VAC/176-264VAC; 47-63Hz	12; 24	3	•	UL & CE	87%	-20°C ~ 65°C	•
150ACP_SC	(199 x 99 x 38mm)	wide	85-264VAC; 47-63Hz	12; 24; 27.6; 48	3	•	UL & CE	87%	-20°C ~ 65°C	•
200ACP_SC	(199 x 99 x 38mm)	wide	90-264VAC; 47-63Hz	12; 15; 48	3	•	UL & CE	88,5%	-20°C ~ 65°C	•
200ACP_SCF	(199 x 99 x 50mm)	wide	90-264VAC; 120 - 370VDC; 47-63Hz	12; 24; 36; 48	3	•	UL & CE	87%	-20°C ~ 65°C	•
320ACP_SCF	(199 x 99 x 50mm)	wide	90-264VAC; 120 - 370VDC; 47-63Hz	12; 24; 36; 48	3	•	UL & CE	87,5%	-20°C ~ 65°C	•

NEW: Feature Series



60ACB

Power: 60 Watts
Isolation: 3kVAC
EN60601: YES (ITE & EMC)
UL60950: YES (Medical)
Ultra Wide Input Range: 85-264VAC
 120-370VDC
Over Temp. Protection: YES



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