

# DC-DC Converter Selection Guide



Selection Table  
of DC-DC Module

Type	Series		Watt.	Vin	Vout	Isolation Voltage	Operating Temp.	Dimension (L x W x H mm)	Certified
	Picture	Model							
Telecom / Datacom / Industrial Industries		SD-15	15W	9.2~18V, 18~36V, 36~72V	5V, 12V, 24V	1.5KVAC	-10~+60°C	78 x 51 x 28	RCM/EAC/ CE/UKCA
		SD-25	25W	9.2~18V, 19~36V, 36~72V	5V, 12V, 24V	1.5KVAC	-10~+60°C	99 x 97 x 36	RCM/EAC/ CE/UKCA
		SD-50	50W	9.2~18V, 19~36V, 36~72V	5V, 12V, 24V	1.5KVAC	-10~+60°C	159 x 97 x 38	RCM/EAC/ CE/UKCA
		SD-100	100W	9.5~18V, 19~36V, 36~72V, 72~144V	5V, 12V, 24V	1.5KVAC	-15~+60°C	199 x 98 x 38	RCM/TUV/ EAC/CB/ CE/UKCA
		SD-150	150W	19~36V, 36~72V, 72~144V	12V, 24V	1.5KVAC	-10~+60°C	199 x 110 x 50	RCM/TUV/ EAC/CB/ CE/UKCA
		SD-200	200W	19~36V, 36~72V, 72~144V	5V, 12V, 24V, 48V	1.5KVAC	-20~+60°C	215 x 115 x 50	RCM/EAC/ CE/UKCA/UL (5/12/24V Only)
		SD-350	350W	20~36V, 36~72V, 72~144V	5V, 12V, 24V, 48V	1.5KVAC	-20~+60°C	215 x 115 x 50	RCM/EAC/ CE/UKCA
		SD-500	500W	19~72V, 72~144V	12V, 24V, 48V	2KVAC	-20~+60°C	215 x 115 x 50	RCM/TUV/EAC/ CB/CE/UKCA
		SD-1000	1000W	19~72V, 72~144V	12V, 24V, 48V	2KVAC	-20~+60°C	295 x 127 x 41	RCM/TUV/EAC/ CB/CE/UKCA
		PSD-15	15W	9.2~18V, 18~36V, 36~72V	5V, 12V, 24V	2KVAC	-10~+60°C	94 x 49 x 25	EAC/CE/ UKCA
		PSD-30	30W	9~18V, 18~36V, 36~72V	5V, 12V, 24V	2KVAC	-20~+60°C	101.6 x 50.8 x 30	EAC/CE/ CB/UKCA
		PSD-45	45W	9.2~18V, 18~36V, 36~72V	5V, 12V, 24V	2KVAC	-10~+60°C	127 x 76 x 30	TUV/EAC/ CB/CE/ UKCA

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Telecom / Datacom / Industrial Industries		RSD-30	30W	9~36V, 18~72V, 40~160V	3.3V, 5V, 12V, 24V	4KVDC	-40~+70°C	113 x 60 x 25	UL/RCM/ EAC/CB/ CE/UKCA
		RSD-60	60W	9~36V, 18~72V, 40~160V	3.3V, 5V, 12V, 24V	4KVDC	-40~+70°C	128 x 60 x 25	
		RSD-100	100W	16.8 ~ 31.2V, 33.6 ~ 62.4V, 67.2 ~ 143V	5V, 12V, 24V	4KVDC	-40~+70°C	161 x 68 x 36	
		RSD-150	150W	16.8 ~ 31.2V, 33.6 ~ 62.4V, 67.2 ~ 143V	5V, 12V, 24V	4KVDC	-40~+70°C	189 x 77 x 36	
		RSD-200	200W	16.8 ~ 31.2V, 33.6 ~ 62.4V, 67.2 ~ 143V	12V, 24V, 48V	4KVDC	-40~+70°C	191 x 86 x 40	
		RSD-300	300W	16.8 ~ 31.2V, 33.6 ~ 62.4V, 67.2 ~ 143V, 25.2 ~ 46.8V, 50.4 ~ 93.6V	5V, 12V, 24V, 48V	4KVDC	-40~+70°C	216 x 96.5 x 40	
		RSD-500	500W	16.8 ~ 33.6V, 33.6 ~ 67.2V, 67.2 ~ 154V	12V, 24V, 48V	4KVDC	-40~+80°C	237 x 100 x 41	
		DDR-15	15W	9~36V, 18~75V	3.3V, 5V, 12V, 15V, 24V	4KVDC	-40~+85°C	17.5 x 90 x 54.5	UL/RCM/ EAC/CB/ CE/UKCA
		DDR-30	30W	9~36V, 18~75V	5V, 12V, 15V, 24V	4KVDC	-40~+85°C	35 x 90 x 54.5	
		DDR-60	60W	9~36V, 18~75V	5V, 12V, 15V, 24V	4KVDC	-40~+85°C	52.5 x 90 x 54.5	
		DDR-120	120W	9~18V, 16.8~33.6V, 33.6~67.2V, 67.2~154V	12V, 24V, 48V	4KVDC	-40~+70°C	32 x 125.2 x 102	
		DDR-240	240W	16.8~33.6V, 33.6~67.2V, 67.2~154V	24V, 48V	4KVDC	-40~+70°C	40 x 125.2 x 113.5	
		DDR-480	480W	16.8~33.6V, 33.6~67.2V, 67.2~154V	12V, 24V, 48V	4KVDC	-40~+80°C	85.5 x 125.2 x 129.2	

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		Picture	Model								
Telecom / Datacom / Industrial Industries	SIP		SMU01	1W	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V)	5V 9V 12V 15V	Unregulated	1.5KVDC	-40~+85°C	11.6 x 6.1 x 10.14 11.6 x 7.4 x 10.14	FCC/EAC/ CE/UKCA
			SMU02	2W	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V)	5V 12V 15V				11.6 x 7.5 x 10.14	
			SPU01	1W	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V)	5V 12V 15V		1.5KVDC	-40~+90°C	5/12Vin: 19.5 x 6.1 x 10.2 24Vin: 19.5 x 7.2 x 10.2	EAC/CE/ UKCA
			DPU01			±5V ±12V ±15V					
			SPUN02	2W	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V)	5V 12V 15V		3KVDC	-40~+105°C	19.6 x 7.2 x 10.2	FCC/EAC/ CE/UKCA
			DPUN02			±5V ±12V ±15V					
			SPU03	3W	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V)	5V 12V 15V		3KVDC	-40~+90°C	19.6 x 7.5 x 10.2	FCC/EAC/ CE/UKCA
			GD2	2W	12V(10.8~13.2V) 15V(13.5~16.5V) 24V(21.6~26.4V)	12V 15V 24V		6.2KVDC	-40~+90°C	19.5 x 9.8 x 12.5	EAC/CE/ UL/UKCA
			SPRN01	1W	5V(4.75~5.5V) 12V(11.4~13.2V) 24V(22.8~26.4V) 48V(45.6~52.8V)	5V 12V 15V		1.5KVDC	-40~+90°C	19.6 x 7.1 x 10.14	EAC/CE/ UKCA
			DPRN01			±12V ±15V					
			SPA01	1W	5V(9~18V) 12V(18~36V) 15V(36~75V)	5V 12V 15V		1.5KVDC	-40~+90°C	17.4 x 7.75 x 11.1	EAC/CE/ UKCA
			SPAN02	2W	5V(4.5~9V) 12V(9~18V) 24V(18~36V) 48V(36~75V)	5V 12V 15V		1.5KVDC	-40~+90°C	21.8 x 9.2 x 11.1	
			DPAN02			±5V ±12V ±15V					
			SPBW03	3W	24V(9~36V) 48V(18~75V)	3.3V 5V 12V 15V		1.5KVDC	-40~+85°C	21.8 x 9.2 x 11.1	
			DPBW03			±5V ±12V ±15V					
			SPBW06	6W	24V(9~36V) 48V(18~75V)	3.3V 5V 12V 15V		1.5KVDC	-40~+85°C	21.8 x 9.2 x 11.1	
			DPBW06			±5V ±12V ±15V					
			SPB09	9W	12V(9~18V) 24V(18~36V) 48V(36~75V)	3.3V 5V 12V 15V 24V		1.5KVDC	-40~+90°C	24 x 9.6 x 11.2	
			DPB09			±5V ±12V ±15V					

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		Picture	Model									
Telecom / Datacom / Industrial Industries	SIP		N78-PV/PH	3.3~15W	12V(6~36V) 12V(8~36V) 12V(8~27V) 24V(13~36V)	3.3V ±5V 9V	Regulated	NA (Non-isolated)	-40~+85°C	10.5x7.5x16 11.5x9x17.5	EAC/CE/ UKCA	
			N78-C/CW		24V(16~36V) 12V(8~20V)	±12V						
			N78-2C/ CH/CW	24V(20~36V) 12V(8~18V)	±15V							
				24V(4.5~28V)	1.8V							
				24V(4.5~32V) 24V(8~32V)	±2.5V							
				24V(6~32V) 24V(8~31V)	±3.3V							
				24V(8~32V) 24V(8~30V)	±5V							
			N78-2C/ CH/CW	24V(10~32V) 24V(8~29V)	±6.5V	-40~+85°C			11.5x9.0x17.5			
			24V(13~32V) 24V(8~26V)	±9V								
			24V(16~32V) 24V(8~23V)	±12V								
		24V(18~30V) 24V(8~20V)	±15V									
	SMD		SPOL-01	5.5W	12V (3~14V)	0.9~5.5V	Regulated	NA (Non-isolated)	-40~+82°C	12.4x12.4x4		CE/ UKCA
			SPOL-12	66W	12V (3~14.4V)	0.6~5.5V						
			SBTN01	1W	3.3V(2.97~3.63V) 5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V)	3.3V 5V 9V 12V 15V	Unregulated	1.5KVDC	-40~+90°C -40~+105°C (SC Type)	12.9x10.9x7.1		CB/UL/ EAC/CE/ UKCA
		SBTN01-N	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V)		5V 12V 15V	2KVDC					-40~+100°C	
		SFTN01	1W	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V)	5V 9V 12V 15V	Unregulated	3KVDC	-40~+90°C -40~+105°C (SC Type)	15.24x10.7x7.1	CB/UL/ EAC/CE/ UKCA		
		SFTN01-N										-40~+100°C
		DETN01	1W	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V)	±5V ±12V ±15V	Unregulated	3KVDC	-40~+90°C -40~+105°C (SC Type)	15.24x10.9x7.1	CB/UL/ EAC/CE/ UKCA		
		DETN01-N										-40~+100°C
		SFTN02	2W	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V)	5V 12V 15V	Unregulated	3KVDC	-40~+100°C -40~+105°C (SC Type)	15.24x10.9x7.1	EAC/CE/ UKCA		
		SFTN02-N										-40~+85°C
		DETN02	2W	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V)	±5V ±12V ±15V	Unregulated	3KVDC	-40~+100°C -40~+105°C (SC Type)	15.24x10.9x7.1	EAC/CE/ UKCA		
		DETN02-N										-40~+85°C

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		Picture	Model								
Telecom / Datacom / Industrial Industries	DIP16		SRS	0.5W	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V) 48V(43.2~52.8V)	5V, 9V 12V, 15V	Regulated	1.5KVDC	-25~+71°C	22.6x9.9x8.4	FCC/EAC/ CE/UKCA
	DIP16		SUS01	1W	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V) 48V(43.2~52.8V)	5V, 9V 12V, 15V	Unregulated	1.5KVDC	-25~+71°C	22.6x9.9x8.4	
	DIP7		SMA01	1W	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V)	5V, 9V 12V, 15V		1.5KVDC	-40~+90°C	12.7 x 10.16 x 7.1 12.7 x 10.16 x 7.62	
	DIP16		SLC03	3W	12V (9~18V) 24V (18~36V) 48V (36~75V)	5V, 12V 15V	Regulated	1.5KVDC	-40~+85°C	22.1 x 13.8 x 8.55	EAC/CE/ UKCA
	DIP16		DLC03			±5V, ±12V ±15V					
	DIP24		SCWN03	3W	5V (4.5~9V) 12V (9~18V) 24V (18~36V) 48V (36~72V)	3.3V, 5V 12V, 15V	Regulated	3KVDC	-40~+90°C	31.8 x 20.3 x 10.2	EAC/CE/ UKCA
			DCWN03			±5V, ±12V ±15V					
			SCWN06	6W	12V (9~18V) 24V (18~36V) 48V (36~72V)	3.3V, 5V 12V, 15V		3KVDC	-40~+90°C	31.8 x 20.3 x 10.2	
			DCWN06			±5V, ±12V ±15V					
			SCW08	8W	12V (9~18V) 24V (18~36V) 48V (36~72V)	5V, 12V 15V		1.5KVDC	-40~+71°C	31.8 x 20.3 x 12.2	FCC/EAC/ CE/UKCA
			DCW08			±5V, ±12V ±15V					
			SCW12	12W	12V (9~18V) 24V (18~36V) 48V (36~72V)	5V, 12V 15V		1.5KVDC	-40~+71°C	31.8 x 20.3 x 12.2	
			DCW12			±5V, ±12V ±15V					
			SCW20	20W	12V (9~18V) 24V (18~36V) 48V (36~75V)	5V, 12V 15V		1.5KVDC	-40~+80°C	31.8 x 20.3 x 12.2	
1"x 1"			SKM10	10W	5V (4.7~9V) 12V (9~18V) 24V (18~36V) 48V (36~75V)	3.3V, 5V 12V, 15V		1.5KVDC	-40~+85°C	25.4 x 25.4 x 10.2	EAC/CE/ UKCA
		DKM10	±5V, ±12V ±15V								
		SKMW15	15W	24V (9~36V) 48V (18~75V)	3.3V, 5V 12V, 15V	3KVDC	-40~+85°C	25.4 x 25.4 x 10.2			
		DKMW15			±5V, ±12V ±15V						



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		Picture	Model								
Telecom / Datacom / Industrial Industries	1"x 1"		SKMW20	20W	24V (9~36V) 48V (18~75V)	3.3V, 5V 12V, 15V	Regulated	1.5KVDC	-40~+85°C	25.4 x 25.4 x 10.2	EAC/CE/ UKCA
			DKMW20			±12V, ±15V					
			SKMW30	30W	24V (9~36V) 48V (18~75V)	3.3V, 5V 12V, 15V					
			DKMW30			±12V, ±15V					
			SI06W8	6W	12V, 24V, 36V, 48V, 72V (9~36V)	3.3V, 5V, 9V 12V, 15V, 24V					
			DI06W8			±5V, ±12V, ±15V					
	2"x1"		SLW05	5W	12V(9~18V) 24V(18~36V) 48V(36~72V)	5V, 9V 12V, 15V		1.5KVDC	-25~+71°C	50.8 x 25.4 x 11.27	FCC/EAC/ CE/UKCA
			DLW05			±5V, ±12V ±15V					
			SKE10	10W	12V(9~18V) 24V(18~36V) 48V(36~72V)	5V, 12V 15V, 24V					
			DKE10			±5V, ±12V ±15V, ±24V					
			SKA15	15W	12V(9~18V) 24V(18~36V) 48V(36~72V)	3.3V, 5V 12V, 15V					
			DKA15			±5V, ±12V					
			SKA20	20W	12V(9~18V) 24V(18~36V) 48V(36~75V)	5V, 12V 15V					
			SKM30-N	30W	12V, 24V (9~36V) 24V, 48V (18~75V)	5V, 12V 15V					
	DKM30-N	±12V, ±15V									
	SKM50	50W	24V(18~36V) 48V(36~75V)	5V, 12V 15V	1.5KVDC	-40~+75°C	50.8 x 25.4 x 13.7	FCC/EAC/ CE/UKCA			

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Telecom / Datacom / Industrial Industries	2"x2"		SKE15	15W	12V(9~18V) 24V(18~36V) 48V(36~72V)	5V 12V 15V 24V	Regulated	1.5KVDC	-25~+71°C	50.8 x 50.8 x 11	FCC/EAC/ CE/UKCA	
			DKE15			±5V ±12V ±15V ±24V						
			DKA30	30W	12V(9~18V) 24V(18~36V) 48V(36~72V)	±5V, ±12V ±15V		1.5KVDC	-40~+85°C	50.8 x 50.8 x 21		
			TKA30	25W	12V(9~18V) 24V(18~36V) 48V(36~72V)	5V/±12V 5V/±15V		1.5KVDC	-40~+85°C	50.8 x 50.8 x 21		
			SDM30	30W	12V(9.2~18V) 24V(18~36V) 48V(36~72V)	3.3V 5V 12V 15V		1KVDC	-25~+85°C	50.8 x 50.8 x 16		EAC/CE/ UKCA
			SKA40	40W	12V(9~18V) 24V(18~36V) 48V(36~75V)	5V 12V 15V		1.5KVDC	-40~+85°C	50.8 x 50.8 x 11		FCC/EAC/ CE/UKCA
			SKA60	60W	12V(9~18V) 24V(18~36V) 48V(36~75V)	5V 12V 15V		1.5KVDC	-40~+70°C	50.8 x 50.8 x 11		
	1/2 Brick		MHB75	75W	12V(9~18V) 24V(18~36V) 48V(36~75V)	5V 12V 24V	1.5KVDC	-40~+100°C	57.9 x 61 x 12.7	UL/EAC/ CE/UKCA		
			MHB100	100W	24V(18~36V) 48V(36~75V)	5V 12V 24V	1.5KVDC	-40~+100°C	57.9 x 61 x 12.7			
			MHB150	150W	48V(36~75V)	5V 12V 24V	1.5KVDC	-40~+100°C	57.9 x 61 x 12.7			

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Telecom / Datacom / Industrial Industries		SD-15	15W	9.2~18V, 18~36V, 36~72V	5V, 12V, 24V	1.5KVAC	-10~+60°C	78 x 51 x 28	RCM/EAC/ CE/UKCA
		SD-25	25W	9.2~18V, 19~36V, 36~72V	5V, 12V, 24V	1.5KVAC	-10~+60°C	99 x 97 x 36	RCM/EAC/ CE/UKCA
		SD-50	50W	9.2~18V, 19~36V, 36~72V	5V, 12V, 24V	1.5KVAC	-10~+60°C	159 x 97 x 38	RCM/EAC/ CE/UKCA
		SD-100	100W	9.5~18V, 19~36V, 36~72V, 72~144V	5V, 12V, 24V	1.5KVAC	-15~+60°C	199 x 98 x 38	RCM/TUV/ EAC/CB/ CE/UKCA
		SD-150	150W	19~36V, 36~72V, 72~144V	12V, 24V	1.5KVAC	-10~+60°C	199 x 110 x 50	RCM/TUV/ EAC/CB/ CE/UKCA
		SD-200	200W	19~36V, 36~72V, 72~144V	5V, 12V, 24V, 48V	1.5KVAC	-20~+60°C	215 x 115 x 50	RCM/EAC/CE/ UKCA/UL (5/12/24V Only)
		SD-350	350W	20~36V, 36~72V, 72~144V	5V, 12V, 24V, 48V	1.5KVAC	-20~+60°C	215 x 115 x 50	RCM/EAC/ CE/UKCA
		SD-500	500W	19~72V, 72~144V	12V, 24V, 48V	2KVAC	-20~+60°C	215 x 115 x 50	RCM/TUV/EAC/ CB/CE/UKCA
		SD-1000	1000W	19~72V, 72~144V	12V, 24V, 48V	2KVAC	-20~+60°C	295 x 127 x 41	RCM/TUV/EAC/ CB/CE/UKCA
		PSD-15	15W	9.2~18V, 18~36V, 36~72V	5V, 12V, 24V	2KVAC	-10~+60°C	94 x 49 x 25	EAC/CE/ UKCA
		PSD-30	30W	9~18V, 18~36V, 36~72V	5V, 12V, 24V	2KVAC	-20~+60°C	101.6 x 50.8 x 30	EAC/CE/ CB/UKCA
		PSD-45	45W	9.2~18V, 18~36V, 36~72V	5V, 12V, 24V	2KVAC	-10~+60°C	127 x 76 x 30	TUV/EAC/ CB/CE/ UKCA



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	Picture	Model							
Telecom / Datacom / Industrial Industries		NID35	35W	10.5~53V	5V, 12V, 15V, 24V	NA (non-isolated)	-30~+85°C	50.8 x 13 x 11	CE/EAC/UKCA
		NID65	65W					50.8 x 26 x 11	
		NID100	100W					50.8 x 27.5 x 12	
		NID100-4.2	63W	10.5~48V	4.2V			50.8 x 27.5 x 13	
		NSD05-S	5W	12V (9.2~36V) 48V (18~72V)	3.3V, 5V 12V, 15V		-25~+70°C	40.6 x 25.4 x 8.3	BIS/EAC/CE/CB/UKCA
		NSD10-D	10W	12V (9.8~36V) 48V (22~72V)	±5V, ±12V ±15V		-25~+70°C	50.8 x 25.4 x 10	UL/EAC/CE/UKCA
		NSD10-S			3.3V, 5V 9V, 12V, 15V				
		NSD15-D	15W	12V (9.4~36V) 48V (18~72V)	±5V, ±12V ±15V		-25~+70°C	50.8 x 38.1 x 9.82	UL/EAC/CE/UKCA
		NSD15-S			3.3V, 5V 12V, 15V				