









AC/DC - DC/DC Converters INPUT: 7-32 Vac / 10-72 Vdc

ADEL system
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Input (Voltage)	6÷28Vac 8÷39Vdc	24÷32Vac 33÷45Vdc	24÷32Vac 33÷45Vdc	24÷32Vac 33÷45Vdc	24÷32Vac 33÷45Vdc	24÷32Vac 33÷45Vdc	24÷32Vac 33÷45Vdc	24÷32Vac 33÷45Vdc
Output Vn – In	1.25÷28 - 2A	24Vdc - 3A	24Vdc 5A	24Vdc 7A	24Vdc 7A	24Vdc 10A	24Vdc 15A	24Vdc 20A
Model	PFALVPX	SW243LC	SW245HP	SW247HP	PFAL247	PFAL2410	PFAL2415	PFAL2420
INPUT DATA								
Input Rated Voltage (Vn) Tensione d'ingresso nominale	6÷28Vac 8÷39Vdc	25Vac 40Vdc	25Vac 40Vdc	25Vac 40Vdc	25Vac 40Vdc	25Vac 40Vdc	25Vac 40Vdc	25Vac 40Vdc
Rated Voltage range Campo di funzionamento		24÷32Vac 33÷45Vdc	24÷32Vac 33÷45Vdc	24÷32Vac 33÷45Vdc	24÷32Vac 33÷45Vdc	24÷32Vac 33÷45Vdc	24÷32Vac 33÷45Vdc	24÷32Vac 33÷45Vdc
Frequency Frequenza di Ingresso	47 ÷ 63 Hz	47 ÷ 63 Hz	47 ÷ 63 Hz	47 ÷ 63 Hz	47 ÷ 63 Hz	47 ÷ 63 Hz	47 ÷ 63 Hz	47 ÷ 63 Hz
Internal Fuse Fusibile Interno (non sostituibile)		No	No	No	10A	15A	20A	25A
External Fuse Fusibile raccomandato Esterno	Fast 4 A	Fast 4 A	Fast 6A	Fast 10A	Fast 10A	Fast 15A	Fast 20A	Fast 25A
OUTPUT DATA								
Output Voltage Nominal Current	+1.25÷28Vdc / 2 A ± 2% [P3] 1.5 A ± 2% [P2] 0.8 A ± 2% [P1]	24Vdc 3A ± 2%	24Vdc 5A ± 2%	24Vdc 7A ± 2%	24Vdc 7A ± 2%	24Vdc 10A ± 2%	24Vdc 15A ± 2%	24Vdc 20A ± 2%
Adjustment range (Vadj) Campo di regolazione (Vadj)	Yes	No	No	No	± 10 %	± 10 %	± 10 %	± 10 %
Switch. on delay applying mains voltage Tensione in Uscita dopo l'accensione	≤ 100 msec	≤ 100 msec.	≤ 100 msec.	≤ 100 msec.	≤ 100 msec.	≤ 100 msec.	≤ 100 msec.	≤ 100 msec.
Start up with capacitive load Start up con carichi capacitivi		30.000µF 1.5A	30.000µF 2A	30.000µF 2A				
Max. Current Corrente max.	1.05xI _N ± 7%	3 A ± 7%	5 A ± 7%	7 A ± 7%	7 A ± 7%	10 A ± 7%	15 A ± 7%	20 A ± 7%
Continuous Current Corrente funzionamento continuo		3 A	3.5A	5A	5A	7A	10A	15A
Residual Ripple Ripple residuo	≤ 60 mV _{pp}	≤ 60 mV _{pp}	≤ 60 mV _{pp}	≤ 60 mV _{pp}	≤ 60 mV _{pp}	≤ 60 mV _{pp}	≤ 60 mV _{pp}	≤ 60 mV _{pp}
Minimum Load Carico minimo	No	No	No	No	No	No	No	No
Efficiency Rendimento tipico (al 50% Vn)		≥ 88 %	≥ 88 %	≥ 88 %	≥ 85 %	≥ 85 %	≥ 85 %	≥ 85 %
Short-circuit protection Protezione contro il C.C.	Yes / Si	Yes	Yes / Si	Yes / Si	Yes / Si	Yes / Si	Yes / Si	Yes / Si
Over Load protection Protezione sovraccarico	Yes / Si	Yes	Yes / Si	Yes / Si	Yes / Si	Yes / Si	Yes / Si	Yes / Si
Over Voltage Output protection Protezione sovratensione in Uscita	Yes / Si	No	No	No	Yes / Si	Yes / Si	Yes / Si	Yes / Si
Parallel connection Collegamento in parallelo	Yes / Si	No	No	No	Yes / Si	Yes / Si	Yes / Si	Yes / Si
CLIMATIC DATA								
Ambient Temperature (operation) Temp. Ambiente	0 ÷ 50°C	0 ÷ 50°C	0 ÷ 50°C	0 ÷ 50°C	0 ÷ 50°C	0 ÷ 50°C	0 ÷ 50°C	0 ÷ 50°C
Ambient Temperature (Storage) Temp Magazzino	-25 ÷ +85°C	-25 ÷ +85°C	-25 ÷ +85°C	-25 ÷ +85°C	-25 ÷ +85°C	-25 ÷ +85°C	-25 ÷ +85°C	-25 ÷ +85°C
Humidity Umidità	95 % to 25°C	95 % to 25°C	95 % to 25°C	95 % to 25°C	95 % to 25°C	95 % to 25°C	95 % to 25°C	95 % to 25°C
GENERAL DATA								
Protection class Protezione Classe	I, with PE connected	I, with PE connected	I, with PE connected	I, with PE connected	I, with PE connected	I, with PE connected	I, with PE connected	I, with PE connected
Dimension (w-h-d) Dimensioni (l-h-p) mm	50x95x61	50x95x61	50x95x61	70x95x61	108x94x63	124x94x73	150x115x96	150x115x96
Weight Peso	0.20 Kg	0.20 Kg	0.20kg	0.35kg	0.4kg	0.55kg	0.95kg	1.15kg
AVAILABLE MODELS								
Output: 5Vdc		SW053LC (3A)	SW055HP (5A)	SW057HP (7A)	PFAL057 (7A)	PFAL0510 (10A)	PFAL0515 (15A)	PFAL0520 (20A)
Output: 12Vdc		SW123LC (3A)	SW125HP (5A)	SW127HP (7A)	PFAL127 (7A)	PFAL1210 (10A)	PFAL1215 (15A)	PFAL1220 (20A)
Input: 48Vdc		SW243LC/48	SW245HP/48					