

MOD50W-350W

Module of DC/DC Converter with Output Power from 50W to 350W

Based on standard DC/DC converters with output power in the range from 50W to 350W from ARTESYN TECHNOLOGIES, COSEL and XP Power we can offer a wide assortment of DC/DC power converter modules suitable for direct use as an independently applicable unit.

Modules are available in two construction designs:

- Open frame design (designation MOD50W-350W)
- DIN-Rail mounted design (designation MOD50W-350W-DIN)

There is possible to choose any DC/DC converter from the following table:

Output Power	Type	Input Voltage Range	Output Voltage (V)	Protections	Construction Design	Producer
33W-50W	BXB50	18-36VDC 36-75VDC	3.3, 12, 15 3.3, 5, 12	OVP, SCP, TP	MOD	ARTESYN
21W-50W	DCH50	18-36VDC 36-76VDC	1.8, 2.5, 3.3, 5, 12, 15, 24, 28	OVP, SCP, TP	MOD	COSEL / XP Power
18W-50W	EXB50	18-36VDC 36-75VDC	2, 3.3, 5 1.8, 2, 2.5, 3.3, 5, 12	OVP, SCP, TP	OF	ARTESYN
33W-50W	ICH50	9-36VDC 18-75VDC	3.3, 5, 12, 15, 24	OVP, SCP	MOD	XP Power
50W-75W	BXB75	36-75VDC	3.3, 5, 12	OVP, SCP, TP	MOD	ARTESYN
37.5W-75W	ICH75	9-18VDC 18-75VDC	2.5, 3.3, 5, 12, 15, 24 3.3, 5, 12, 15, 24	OVP, SCP	MOD	XP Power
66W-100W	BXB100	18-36VDC 36-75VDC	3.3, 12 3.3, 5, 12, 15	OVP, SCP, TP	MOD	ARTESYN
54W-100W	EXB100	36-75VDC	1.8, 3.3, 5	OVP, SCP, TP	OF	ARTESYN
100W	ICH100	18-36VDC 36-75VDC	2.5, 3.3, 5, 12, 15, 24	OVP, SCP	MOD	XP Power
42.1W-100.8W	DCH100	18-36VDC 36-76VDC	1.8, 2.5, 3.3, 5, 12, 15, 24, 28	OVP, SCP, TP	MOD	COSEL / XP Power
100W-150W	BXB150	18-36VDC 36-75VDC	3.3 3.3, 5, 12, 15	OVP, SCP, TP	MOD	ARTESYN
150W	ICH150	36-75VDC	2.5, 3.3, 5, 12, 15, 24	OVP, SCP	MOD	XP Power
108W-165W	EXB250	33-75VDC	1.2, 1.5, 1.8, 2.5, 3.3, 5, 12	OVP, SCP, TP	MOD	ARTESYN
63W-201.6W	DCH200	18-36VDC 36-76VDC	1.8, 2.5, 3.3, 5, 12, 15, 24, 28	OVP, SCP, TP	MOD	COSEL / XP Power
300W-308W	RFB300	18-36VDC 36-75VDC	7.2-13.2, 16.8-29.4 adjust. 16.8-29.4 adjust.	OVP, SCP, TP	MOD	ARTESYN
350W	RFB350	36-75VDC	7.2-13.2 adjust., 16.8-29.4 adjust.	OVP, SCP, TP	MOD	ARTESYN

LEGEND:

Protections: OVP=Overvoltage, SCP=Overcurrent, TP=Overtemperature, **Construction Design:** MOD=encapsulated module, OF=open frame

You will find more details to the above converters in the corresponding detailed data sheets.

In both construction designs the chosen DC/DC converter is placed on a PCB (Printed Circuit Board) with input and output screw terminals, input fuse, input and output additional filtering capacitors and green LED for the indication of the presence of the output voltage, as standards.

Input RFI choke and TAZ (Transient Absorb Zener) can be add for lower RFI and higher input transients immunity as an option. There is also possible to use remote ON/OFF and output voltage adjustment for the chosen converter. The converters can be equipped with an appropriate heatsink, if necessary.

There is possible to build-in this complete PCB into the powered electronic device directly by the means of 4 mounting holes.

For DIN-Rail mounted applications the PCB is built into a plastic holder with a mechanism for DIN-Rail mounting (rail width 35 mm) type of SUPPORT E72 (version A) or type of SUPPORT E107 (version B).

DC/DC converter module specification:

- q Output Power: see above table
- q Input Voltage Range: see above table
- q Output Voltage (one output only): see above table
- q Protections: see above table
- q Remote ON/OFF
- q Output Voltage Adjustment
- q Input/Output Isolation Voltage: 1500VDC
- q Maximum module dimensions:
 - o open frame design: 107 mm x 72 mm, max. height 40 mm
 - o DIN-Rail design, version A: w = 115 mm, h = 92.6 mm, d = 60 mm
 - o DIN-Rail design, version B: w = 80 mm, h = 127.6 mm, d = 60 mm

