

MOD40W

Module of DC/DC Converter with Output Power 18W to 80W

Based on standard DC/DC converter with output power in the range from **18W to 80W** from Artesyn Technologies, Astec Power and BEL Power we can offer a wide assortment of DC/DC converter module with single output suitable for direct use as an independently applicable unit.

Modules are available **in two construction designs:**

- **open frame design** (designation MOD40W)
- **DIN-Rail Mount design** (designation MOD40W-DIN)

In both cases the chosen 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 indication of the output voltage presence. Input RFI filter and input transient voltage protection can be added for lower RFI and higher input transients immunity as an option. There is also possible to use remote ON/OFF, remote sense and output voltage trim of the chosen converter.

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 applications the PCB can be either fitted with an appropriate mechanism or built into a plastic cover type of MODULBOX DIN H53, width 3M (which is equipped with DIN Rail mechanism width 35 mm).

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

Output Power /*	Type	Input Voltage Range	Output Voltage (V)	Input/Output Isolation	Protections	Producer
18W-60W	0RCY-60Txxx	36-75VDC	1.2, 1.5, 1.8, 2.5, 3.3, 5, 12	2000VDC	OVP, SCP, TP	BEL
30W-66W	ALO/AEO25	36-75VDC	1.2, 1.5, 1.8, 2.5, 3.3, 5, 12	1500VDC	OVP, SCP, TP	ASTEC
36W-66W	LESxxA	18-36VDC 36-75VDC	1.8, 3.3 1.2, 1.5, 1.8, 2.5, 3.3, 5	2250VDC	OVP, SCP, TP	ARTESYN
55W-80W	LESxxB	36-75VDC	2.5, 3.3, 5, 12	2250VDC	OVP SCP, TP	ARTESYN

LEGEND: **Protections:** OVP=overvoltage, SCP=overcurrent, TP=overtemperature; all above converters are fitted with remote ON/OFF, output voltage sense and output voltage trim

/* Note: Maximum output power depends on output voltage, chosen module design (open or enclosed version), on way of cooling (convection or forced) and on the requested operating temperature range in the particular application. There is possible to find more information in detailed datasheets of the above converters.

Specification of the Converter module:

- Input Voltage Range: see table
- Output Voltage: see table
- Input/Output Isolation Voltage: see table
- Maximum Module Dimensions:
 - Open Frame Design: 86.9 x 50.3 mm, height 20 mm
 - MODULBOX DIN H53/3M design: w = 53 mm, h = 90 mm, d = 58 mm
- You will find more details in the corresponding detailed datasheet of the chosen converter