

MOD30W

Module of DC/DC Converter with Output Power 23W to 40W

Based on standard DC/DC converters with output power in the range from **23W to 40W** from BEL Power and XP 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 **MOD30W**)
- **DIN-Rail Mount design** (designation **MOD30W-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 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
23W-30W	0RLC-25Txxx	36-75VDC	3.3, 5, 12, 15, 24	1500VDC	OVP, SCP, TP	BEL Power
24.8W-30W	JTL30xxSxx	9-36VDC 18-75VDC	3.3, 5, 12, 15	1600VDC	OVP, SCP, TP	XP Power
26.4W-30W	JCK30xxSxx	9-18VDC 18-36VDC 36-75VDC	3.3, 5, 5.1, 12, 15	1600VDC	OVP SCP	XP Power
25W-30W	RDC30xxSxx	36-140VDC 55-176VDC	3.3, 5, 12, 15	1500VAC	OVP, SCP, TP	XP Power
26.4W-40W	JCK40xxSxx	9-18VDC 18-36VDC 36-75VDC	3.3, 5, 12, 15	1600VDC	OVP SCP	XP Power

LEGEND: Protections: OVP=overvoltage, SCP=overcurrent, TP=overtemperature; all above converters are fitted with remote ON/OFF 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