

MOD10W

Module of DC/DC Converter with Output Power 10W to 20W

Based on standard DC/DC converters with output power **10W, 15W and 20W** from ARTESYN TECHNOLOGIES, VOLGEN AMERICA and XP Power we can offer a wide assortment of DC/DC converter modules with **single or double outputs** suitable for direct use as an independently applicable unit.

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

- **open frame design** (designation **MOD 10W**)
- **enclosed design** with a mechanism for fitting on **DIN-Rail** (designation **MOD10W-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 for the indication of the presence of the output voltage. Input RFI choke and a 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 input for the chosen type of converters. There is possible to build-in this complete PCB into the powered electronic device directly by the means of 3 mounting holes.

For DIN-Rail applications the PCB is 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)	Number of Outputs	Input/Output Isolation	Protections	Design	Producer
8W-10W	BXA10	9-18VDC 18-75VDC	5, 15, ±5 5, ±5, ±12, ±15	1, 2	1500VDC	OVP, SCP	MOD	ARTESYN
8W-10W	CXA10	18-75VDC	3.3, 5, 12, ±5, ±12, ±15	1, 2	1500VDC	OVP, SCP	OF	ARTESYN
6.6W-10W	JCH10	9-18VDC 18-36VDC 36-72VDC	3.3, 5, 12, 15, 24, ±3.3, ±5, ±12, ±15, ±24	1, 2	1500VDC	SCP	MOD	XP Power
6.6W-10W	JTA10	9-36VDC 18-75VDC	3.3, 5, 12, 15, ±5, ±12, ±15	1, 2	1500VDC	OVP, SCP	MOD	XP Power
13.2W-15W	FEC15	9-18VDC 18-36VDC 36-72VDC	3.3, 5, 12, 15, ±5, ±12, ±15	1, 2	1600VDC	OVP SCP	MOD	VOLGEN
13.2W-15W	JBK15	18-36VDC 36-75VDC	3.3, 5, 12, 15	1	2250VDC	OVP, SCP	OF	XP Power
9.9W-15W	JCK15	9-18VDC 18-36VDC 36-75VDC	3.3, 5, 12, 15, ±12, ±15	1, 2	1500VDC	OVP, SCP	MOD	XP Power
9.9W-15W	JTH15	9-36VDC 18-72VDC	3.3, 5, 12, 15, ±3.3, ±5, ±12, ±15	1, 2	1500VDC	SCP	MOD	XP Power
16.5W-20W	JTM20	9-36VDC 18-75VDC	3.3, 5, 12, 15, ±5, ±12, ±15	1, 2	1600VDC	OVP, SCP	MOD	XP Power
18.2W-20W	JCK20	9-18VDC 18-36VDC 36-75VDC	3.3, 5, 12, 15, ±12, ±15	1, 2	1500VDC	OVP, SCP	MOD	XP Power

LEGEND: Protections: OVP=overvoltage, SCP=overcurrent Design: MOD=encapsulated module, OF=open frame

Specification of the Converter Module:

- Input Voltage Range: see table
- Output Voltage: see table
- Input/Output Isolation Voltage: see table
- Operating Ambient Temperature Range (Full Power):
 - 25°C to +71°C (for BXA10 and FEC15)
 - 40°C to +85°C (for JCH10)
 - 40°C to +60°C/+70°C (for the other)
- maximum module dimensions:
 - Open frame design:
 - 86.9 x 50.3 mm, height 20 mm
 - DIN-Rail design:
 - w = 53 mm, h = 90 mm, d = 58 mm

You will find more details in the corresponding detailed data sheets of the chosen converter.

