

MOD20W

Module of DC/DC Converter with Output Power 15W to 30W

Based on standard DC/DC converters with output power **15W, 20W, 25W and 30W** from ARTESYN TECHNOLOGIES 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 MOD20W)
- **enclosed design** with a mechanism for fitting on **DIN-Rail** (designation MOD20W-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 added 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 4 mounting holes. For DIN-Rail applications the PCB is built into a plastic cover type of MODULBOX DIN H53, width 4M, 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
10W-15W	JTA15	9-36VDC 18-75VDC	3.3, 5, 12, 15, ±5, ±12, ±15	1, 2	1500VDC	OVP, SCP	MOD	XP Power
19.8W-20W	CXA20	18-75VDC	3.3, 5, 12, ±5, ±12	1, 2	1500VDC	OVP, SCP	OF	ARTESYN
13.2W-20W	JTA20	9-36VDC 18-75VDC	3.3, 5, 12, 15, ±5, ±12, ±15	1, 2	1500VDC	OVP, SCP	MOD	XP Power
14.4W-25W	JCL25	18-36VDC 36-75VDC	1.8, 2.5, 3.3, 5, 12, 15	1	1500VDC	OVP, SCP, TP	MOD OF	XP Power
18.2W-30W	JCL30	9-18VDC 18-36VDC 36-75VDC	3.3, 5, 12, 15, ±12, ±15	1, 2	1500VDC	OVP, SCP, TP	MOD	XP Power

LEGEND: Protections: OVP=overvoltage, SCP=overcurrent, TP=overtemperature 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):
 - 40°C to +60°C (for CXA20)
 - 40°C to +60°C /+70°C (for JTA and JCL)
- maximum module dimensions:
 - Open frame design:
 - 86.9 x 68.0 mm, height 20 mm
 - DIN-Rail design:
 - w = 71 mm, h = 90 mm, d = 58 mm

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

