



Medical Application DC-DC Converter

Yuan Dean has accumulated years of experience and dedicated to power supplies research and development, and this year launched the medical class DC-DC converters to respond the rigorous application of medical equipment and reinforced insulation system. Yuan Dean offer 1 to 15W DC-DC converters that meet the medical certification and have high isolation withstand voltage. As we understand the requirements for medical application and we have increased insulation isolation from 3000VAC to 4200VAC. Our medical DC-DC converters meet the ANSI/AAMI ES60601-1, IEC/EN 60601-1 3rd edition of medical safety standards and widely used in medical assist devices, computed tomography, ultrasound and other medical ancillary equipment. We proudly recommend 30DW-10WM for the SIP 7 package which can reach 10W, 3000VAC.



DC-DC Converter Railway Application

Yuan Dean Railway DC-DC Converter series get the power range from 8 to 40W, our layout is able to meet stringent requirements and harsh environment testing to satisfies the needs of railway application. The input voltage is from 40 to 160V which means it meets the normally power using demands (24V/48V/72V/110V), and has many protection mechanisms (over-current protection, output over-voltage, output short-circuit protection), can be extensively used in the railway traction inverter, standby power system, train operation monitoring, gate controller ... and many other railway systems.

Medical Application

SERIES	Watt	Input Voltage (Vdc)	Output Voltage (Vdc)	Size(mm)	Isolated	Package style
12D1M	1W	5,12,24	5,12,15,±5,±9,±12,±15	19.5x9.8x12.5	4.2KVac or 6KVdc	SIP7
12D1M-2W	2W	5,12,24	5,12,15,±5,±9,±12,±15	19.5x9.8x12.5	4.2KVac or 6KVdc	SIP7
30DW-10WM	10W	9-36,18-75	3.3,5,12,15,±5,±12,±15	32.2x15.2x9.0	3KVac	SIP
68DW10-M	10W	9-36,18-75	3.3,5,12,15,±5,±12,±15	31.6x20.1x10.2	3KVac	DIL
99DW-R315WM	15W	9-36,18-75	5,12,15,±5,±12,±15	50.8x25.4x10.2	3KVac	2" x 1"

Railway Application

SERIES	Watt	Input Voltage (Vdc)	Output Voltage (Vdc)	Size(mm)	Isolated	Package style
68DW10	10W	9-36,18-75,40-160	3.3,5,12,15,±5,±12,±15	31.6x20.1x10.0	1.5KVdc	1.25" x 0.8"
98DW20-R3	20W	9-36,18-75,40-160	3.3,5,12,15,±12,±15	50.8x25.4x10.6	3KVdc	2" x 1"

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