

Highly reliable medical grade DC/DC converters that help to rescue lives



**DC/DC**

1W to 60W with patented 2xMOPP transformers for highest performance



**Approvals**

IEC/EN/ES 60601-1 3.1 Ed.  
IEC/EN/UL 62368-1  
IEC/EN/ES 60601-1-2 4 Ed.

**ISO 14971/ ISO 13485**

Risk Management  
Manufacturing Process  
and Construction

**2xMOPP**

8mm Clearance/ Creepage  
for CF applied Part  
Equipment

**< 4.5µA**

Low Leakage  
Current

**5000m**

Operating  
Altitude

**-40 to +105°C**

Operating  
Temperature

**5 Yrs**

Warranty

Series	Output Power (W)	Input Ratio			Input Voltage Range (VDC)	Output Voltage											Efficiency (%)	Leakage Current max. (µA)	Package
		Semi-Regulated	2:1	4:1		3.3V	5V	5.1V	9V	12V	15V	24V	±5V	±12V	±15V				
MPU01	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.5-5.5, 9.6-14.4, 12-18, 19.2-28.8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	85	2	SIP-9				
MPL02	2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4.5-13.2, 9-18, 18-36	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	85	2	SIP-8				
MPS02	2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4.5-12, 9-18, 18-36, 36-75	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	82	2	SMD-16 DIP-16				
MPS04	3.5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4.5-12, 9-18, 18-36, 36-75	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	83	2	SMD-16 DIP-16				
MPP03 MPP03W	3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4.5-9, 9-18, 18-36, 36-75 9-36, 18-75	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	87	2	DIP-24				
MPP06 MPP06W	6	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4.5-9, 9-18, 18-36, 36-75 9-36, 18-75	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	89	2	DIP-24				
MPP10 MPP10W	10	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4.5-9, 9-18, 18-36, 36-75 9-36, 18-75	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	89	2	DIP-24				
MPM15 MPM15W	15	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	9-18, 18-36, 36-75 9-36, 18-75	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	90	2	1.6"x1"				
MPM20 MPM20W	20	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	9-18, 18-36, 36-75 9-36, 18-75	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	90	2	1.6"x1"				
MPD30 MPD30W	30	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	9-18, 18-36, 36-75 9-36, 18-75	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	90.5	2	2"x1"				
MPQ60W	60	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	9-36, 18-75	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	92.5	4.5	Quarter Brick				