

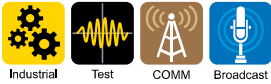
## 15W to 60W Low Profile Triple Output Power Supplies

### Features

- ◆ 26mm height
- ◆ 3 year Warranty
- ◆ Peak Load capable
- ◆ Light weight
- ◆ Output 1 isolated from outputs 2 & 3
- ◆ No minimum load (15 & 60W)



### Key Market Segments & Applications



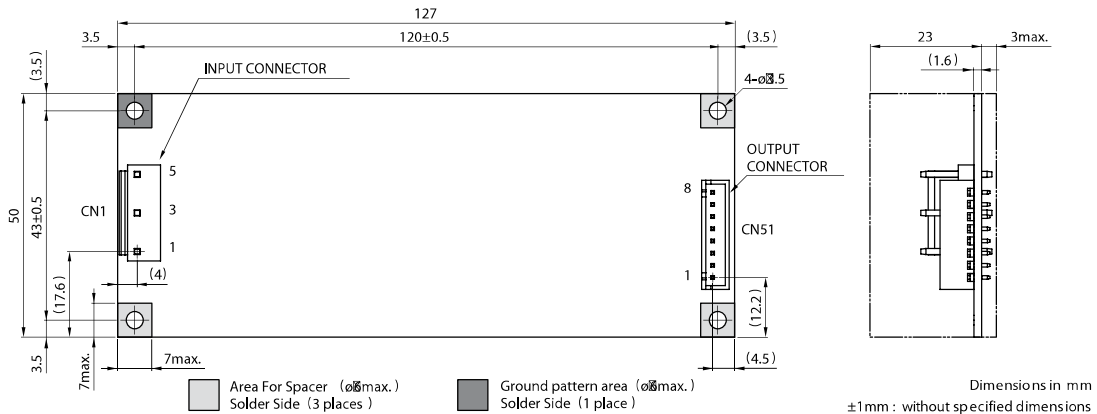
Specifications			MTW15-51212		MTW30-51212		MTW60-51212	
Model			MTW15-51515		MTW30-51515		MTW60-51515	
Input Voltage Range	V		85 - 265VAC (47 - 440Hz)					
Input Current Typ (1)	A		0.42 / 0.25		0.8 / 0.4		1.4 / 0.8	
Inrush Current (1)	A		25 / 50		20 / 40		20 / 40	
Leakage Current (240VAC, 60Hz)	mA		0.75mA Max					
Max Output Power	W		16		30		60	
			17.5		33		62.5	
Efficiency (Typ)	%		71		76		76	
Hold Up Time (1)	ms		20 / 150		20 / 140		20 / 180	
Output Voltage Adjustment (3)	-		V1: 5 to 5.25V		V1: 5 to 5.2V		V1: 4.5 to 5.5V	
Overcurrent Protection	-		Yes, automatic recovery. Hiccup style on MTW30 & 60					
Overvoltage Protection	V		V1: Zener Clamp		V1: Zener Clamp		V1: Zener Clamp	
Operating Temperature	-		-20°C start up, -10 to +60°C, derating linearly to 70% load above 50°C					
Storage Temperature	-		-30 to +75°C					
Humidity (Non condensing)	-		10 - 90%RH (Operating & storage) at 35°C					
Cooling	-		Convection					
Withstand Voltage	-		Input to ground 2kVAC, Input to output 3kVAC, Output to ground 500VAC					
Vibration (non operating)	-		5 - 10Hz: 10mm amplitude, 10 - 200Hz: 2G (19.6m/s <sup>2</sup> )10m sweep time, 3 axis, 1 hour each					
Shock	-		Acceleration: 60G (588m/s <sup>2</sup> ) Half sine wave, 6 - 16ms pulse duration, 3x each direction					
Safety Agency Approvals	-		UL60950-1, CSA C22.2 No 60950-1 (C-UL), EN60950-1					
Immunity	-		EN61000-4-2 (Lv 4), -3, -4 (Lv 3), -5 (Lv 4), -6 (Lv 3), -8 (Lv 4), -11					
Conducted EMI	-		FCC-Class B, EN55011-B, EN55022-B					
Weight (Typ)	g		150		210		330	
	in		1.97 x 1.02 x 5		2.56 x 1.02 x 5.51		3.27 x 1.02 x 7.28	
Size (WxHxL)	mm		50 x 26 x 127		65 x 26 x 140		83 x 26 x 185	
Warranty	yrs		Three Years					

#### Notes:

- (1) 100/240VAC
- (2) Output V1 is isolated from outputs V2 & V3
- (3) Option /V suffix

See website for detailed specifications.

## Outline Drawing (MTW15)



## Output Ratings

Model	Output	Voltage (V)	Regulation	Minimum Current (A)	Maximum Current (A)	Peak Current (A)	Ripple & Noise (mV)
MTW15-51212	V1	5V	4.75 - 5.25V	0	2.0	3.0	120
	V2	12V	11.4 - 12.6V	0	0.3	0.6	150
	V3	-12V	11.4 - 12.6V	0	0.2	0.3	150
MTW15-51515	V1	5V	4.75 - 5.25V	0	2.0	3.0	120
	V2	15V	14.4 - 15.6V	0	0.3	0.6	150
	V3	-15V	14.4 - 15.6V	0	0.2	0.3	150
MTW30-51212	V1	5V	4.9 - 5.3V	0.5	3	4.5	120
	V2	12V	11.4 - 12.6V	0	1.2	2.0	150
	V3	-12V	11.4 - 12.6V	0	0.3	0.45	150
MTW30-51515	V1	5V	4.9 - 5.3V	0.5	3	4.5	120
	V2	15V	14.25 - 15.75V	0	0.8	2.0	150
	V3	-15V	14.25 - 15.75V	0	0.3	0.45	150
MTW60-51212	V1	5V	4.9 - 5.3V	0	5.0	7.0	120
	V2	12V	11.4 - 12.6V	0	2.5	3.5	150
	V3	-12V	11.4 - 12.6V	0	0.5	0.7	150
MTW60-51515	V1	5V	4.9 - 5.3V	0	5.0	7.0	120
	V2	15V	14.4 - 15.6V	0	2.0	3.5	150
	V3	-15V	14.25 - 15.75V	0	0.5	0.7	150

## Mating Connectors

	Model	Input	Output
Connectors	MTW15	VHR-5N	XHP-8
JST	MTW30	VHR-5N	VHR-6N
	MTW60	VHR-5N	VHR-8N

## Other Industrial Products

ZWS	5 to 240W Single output
SC40 & SC60	50 to 80W 3x5" footprint
ZP	40 to 60W, 2x4" footprint

## Options

Suffix	Description
Blank	No V1 Adjustment
/V	Potentiometer for V1 Adjustment

For Additional Information, please visit  
<https://product.tdk.com/info/en/products/power/index.html>

