

200V to 400VDC Input Full brick DC-DC Converters

Features

- ◆ Output Voltages from 7.2V to 57V
- ◆ 450W to 600W Output Power
- ◆ Current Share
- ◆ Operation to 100°C Baseplate
- ◆ Wide Adjustable Output Range
- ◆ Parallel Pin
- ◆ High Efficiency - up to 91%



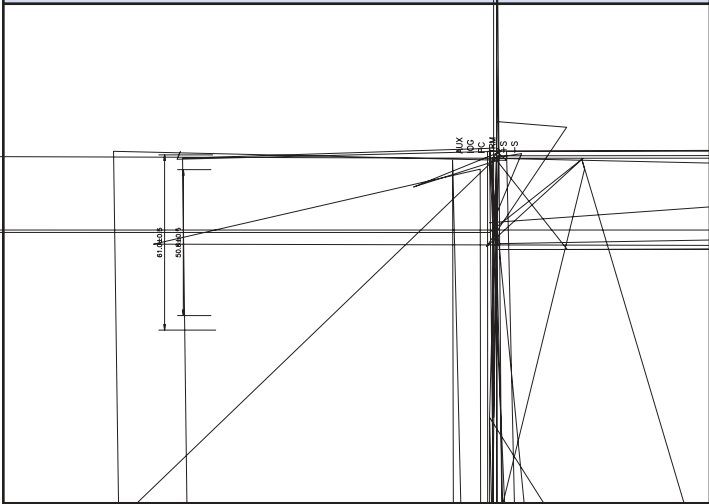
Key Market Segments & Applications



Specifications						
Nominal Output Voltage	VDC		12	24	28	48
Output Current (Max)	A	450W	38	19	16.5	9.5
		600W	50	25	21.5	12.5
Max Output Power	W	450W	456	456	462	456
		600W	600	600	602	600
Efficiency (Typ)	%		89-90	91	91	91
Input Voltage Range	VDC	200-400VDC				
Output Voltage Accuracy	%	±1				
Output Voltage Adjustment	VDC	7.2 - 14.4	14.4 - 28.8	16.8 - 33.6	28.8 - 57.6	
Max Ripple & Noise	mV	270	240	280	480	
Max Line Regulation	mV	48	56	56	96	
Max Load Regulation	mV	48	56	56	96	
Temperature Coefficient	°C	0.02%/°C				
Overcurrent Protection	%	105 - 140%				
Overvoltage Protection	%	125 - 145%				
Signals & Control	-	Remote Sense, Remote On/Off, Parallel Pin, Inverter Good, 11-14V Auxiliary voltage				
Baseplate Temperature	-	-40°C to +100°C Baseplate: (See derating chart)				
Humidity (non condensing)	-	5 - 95% RH Operating, 5 - 95% RH Non Operating				
Cooling	-	Conduction (See Installation Manual for heatsink selection)				
Isolation Voltage	-	Input to Baseplate: 2500VAC (20mA); Input to Output 3000VAC for 1 min.; Output to Baseplate: 500VDC for 1 min				
Shock	-	196.1m/s ²				
Vibration	-	Non Operating, 10-55Hz (sweep for 1 min.) Amplitude 0.825mm constant (Max 49 m/s ²) X,Y,Z 1 hour each				
Safety Agency Approvals	-	IEC/UL/CSA/EN62368-1, 60950-1, CE Mark				
Weight (Typ)	g	200				
Size (WxHxD)	mm	2.4 x 0.5 x 4.6 (61 x 12.7 x 116.8) See outline drawing				
Warranty	yrs	2 years				

Note: See Installation Manual for full details, test methods of parameters and application notes.

PAF Outline Drawing



Connection Example

