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## DPA500F



### Features

- Harmonic attenuator, PFC (Complies with IEC61000-3-2)
- Ideal for distributed power systems
- Inverter operating monitoring (IOG)
- High efficiency 90% (AC100V), 95% (AC200V), Universal input voltage (AV85 - 264V)
- Power-ready signal (PR)
- Auxiliary power supply for external signal (AUX)
- Parallel operation
- Built-in Inrush Current Protection
- Built-in Over Voltage Protection
- Built-in Thermal Protection
- RoHS Compliant

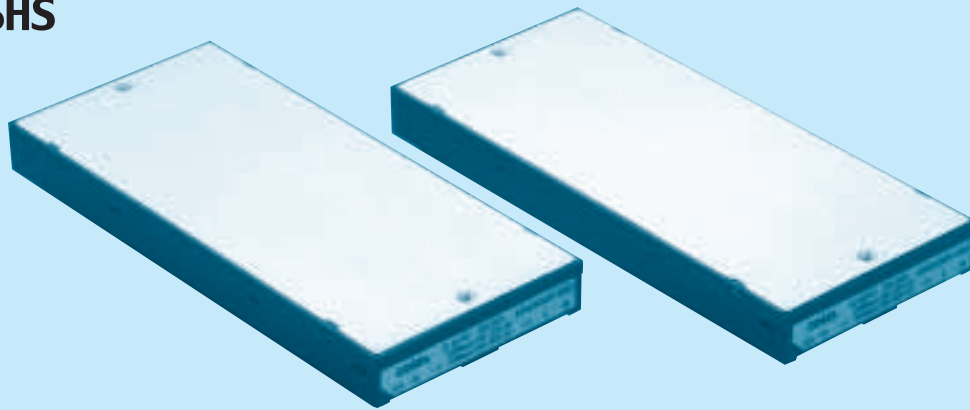
### Safety Agency Approvals

UL recognized, TUV approved, CSA certified

**3 year warranty(refer to Instruction Manual)**

Model	Input Voltage [V]	Output Wattage [W]	DC Output [V/A]
DPA500F-360	AC 85 - 264	500 - 750	300 - 360V

- ① Series name
- ② Single output
- ③ Output wattage
- ④ Universal input
- ⑤ Output voltage



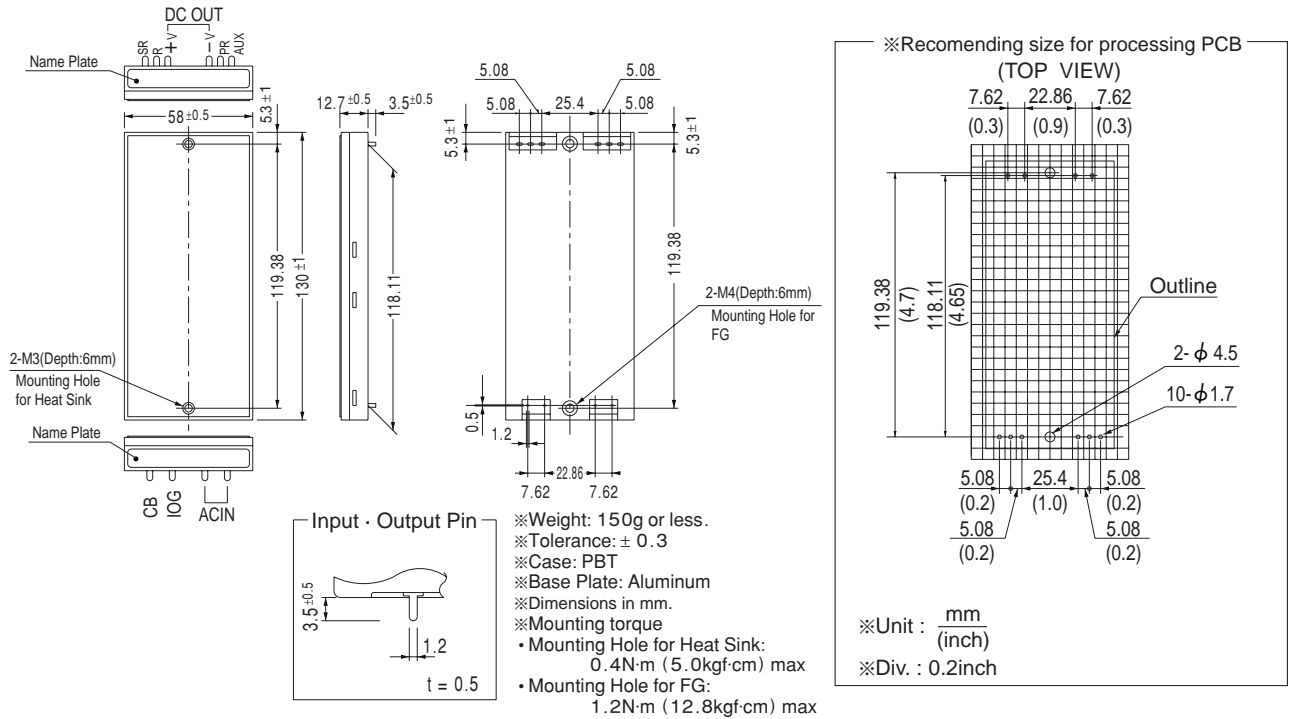
<b>MODEL</b>	<b>DPA500F-360</b>	
<b>AC INPUT[V]</b>	<b>AC85 - 264</b>	<b>AC170 - 264</b>
<b>MAX OUTPUT WATTAGE[W]</b>	<b>500</b>	<b>750</b>
<b>DC OUTPUT VOLTAGE[V]</b>	<b>DC300 - 360</b>	

**SPECIFICATIONS**

	<b>MODEL</b>	<b>DPA500F-360</b>	
<b>INPUT</b>	<b>VOLTAGE[V]</b>	AC100/120	AC200/240
	<b>VOLTAGE RANGE[V]</b>	AC85 - 170	AC170 - 264
	<b>POWER FACTOR CORRECTION RANGE[V]</b>	AC85 - 255	
	<b>CURRENT[A]</b>	5.6typ (ACIN 100V)	4.0typ (ACIN 200V)
	<b>FREQUENCY[Hz]</b>	47 - 63	
	<b>APPARENT POWER[VA]</b>	560typ (ACIN 100V)	800typ (ACIN 200V)
	<b>INRUSH CURRENT[A]</b>	15typ (ACIN 100V)	30typ (ACIN 200V)
	<b>EFFICIENCY[%]</b>	90typ (ACIN 100V)	95typ (ACIN 200V)
	<b>POWER FACTOR</b>	0.98typ (Complies with IEC61000-3-2)	
	<b>LEAKAGE CURRENT[mA]</b>	Less than 0.3	
<b>OUTPUT</b>	<b>WATTAGE[W]</b>	500	750
	<b>VOLTAGE[V]</b>	DC300 - 360 (Automatically changes according to input voltage)	
<b>PROTECTION CIRCUIT AND OTHERS</b>	<b>OVERVOLTAGE PROTECTION[V]</b>	DC390 - 440	
	<b>IOG</b>	Inverter operation monitoring, Open-collector output, Maximum sink current 5mA, Maximum allowance voltage 35V	
	<b>PR</b>	Power-ready signal, Open-collector output, Maximum sink current 5mA, Maximum allowance voltage 35V	
	<b>AUX</b>	Auxiliary power supply for external signal, Output voltage:10 - 20V maximum, Output current:10mA	
	<b>OTHERS</b>	Inrush current protection, Parallel operation possible (Current balancing function), Thermal protection	
<b>ISOLATION</b>	<b>INPUT-OUTPUT</b>	Non isorated	
	<b>INPUT-FG</b>	AC3.000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature)	
	<b>OUTPUT-FG</b>	AC3.000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature)	
<b>ENVIRONMENT</b>	<b>OPERATING TEMP.,HUMID.AND ALTITUDE *1</b>	-20 to +85°C (Aluminum base plate), 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 3.000m (10.000feet) max	
	<b>STORAGE TEMP.,HUMID.AND ALTITUDE</b>	-40 to +85°C, 20 - 95%RH (Non condensing), 9.000m (30.000feet) max	
	<b>VIBRATION</b>	10 - 55Hz, 49.0m/s <sup>2</sup> (5G), 3minutes period, 60minutes each along X, Y and Z axis	
	<b>IMPACT</b>	196.1m/s <sup>2</sup> (20G), 11ms, once each X, Y and Z axis	
<b>SAFETY</b>	<b>AGENCY APPROVALS</b>	UL60950-1, CSA C22.2 No.234, EN60950-1, EN50178 Complies with DEN-AN and IEC60950-1	
<b>OTHERS</b>	<b>CASE SIZE/WEIGHT</b>	58 × 12.7 × 130mm (W × H × D) / 150g max	
	<b>COOLING METHOD</b>	Conduction cooling (e.g. heat radiation from the aluminum base plate to the attached heat sink)	

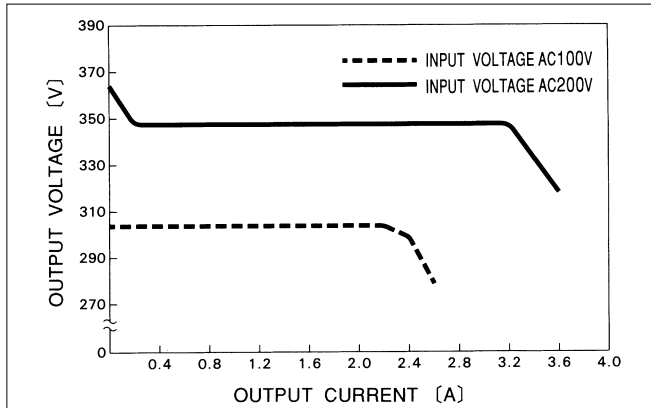
\*1 Please consult us in regard to use from -40°C.

External view

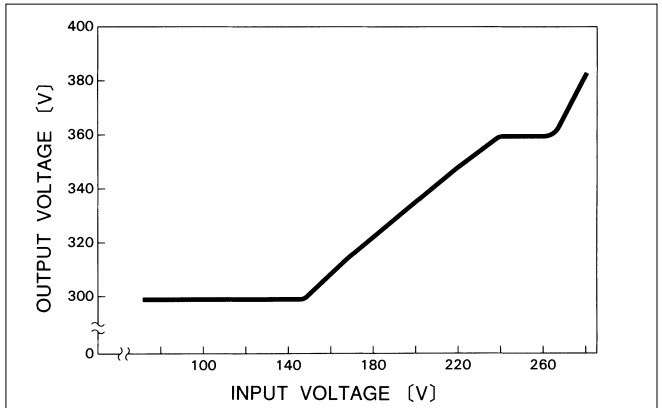


Performance data

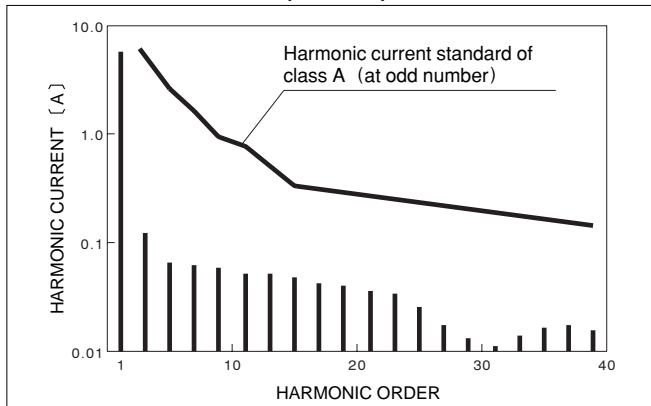
■ STATIC CHARACTERISTICS



■ OUTPUT VOLTAGE FOR INPUT



■ HARMONIC CURRENT (AC100V)



■ HARMONIC CURRENT (AC200V)

