

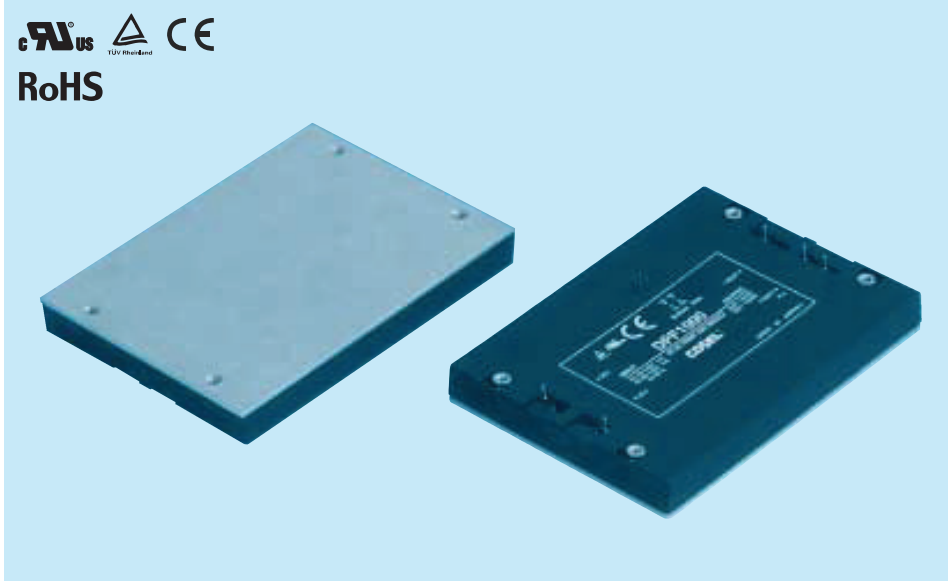
**COSEL** AC-DC Power Supplies Power Module type

# DPF1000

Ordering information

## DPF 1000

① ②



**RoHS**

① Series name  
 ② Output wattage

<b>MODEL</b>	<b>DPF1000</b>	
<b>AC INPUT[V]</b>	<b>AC85 - 264</b>	<b>AC170 - 264</b>
<b>MAX OUTPUT WATTAGE[W]</b>	<b>1,000</b>	<b>1,500</b>
<b>DC OUTPUT VOLTAGE[V]</b>	<b>DC360</b>	

### SPECIFICATIONS

	MODEL	DPF1000
<b>INPUT</b>	<b>VOLTAGE[V]</b>	AC85 - 264 1 φ
	<b>POWER FACTOR CORRECTION RANGE[V]</b>	AC85 - 255 1 φ
	<b>CURRENT[A]</b>	11.5typ (ACIN 100V)
	<b>FREQUENCY[Hz]</b>	50/60 (47 - 63)
	<b>INRUSH CURRENT[A]</b>	Limited by external resistance
	<b>EFFICIENCY[%]</b>	90typ (ACIN 100V)
	<b>POWER FACTOR</b>	0.98typ (ACIN 100V)
	<b>LEAKAGE CURRENT[mA]</b>	0.75max (60Hz, According to IEC60950 and DEN-AN)
<b>OUTPUT</b>	<b>WATTAGE[W]</b> *1	1,000
	<b>VOLTAGE[V]</b> *2	DC360
	<b>VOLTAGE ACCURACY[V]</b> *3	±20
<b>PROTECTION CIRCUIT AND OTHERS</b>	<b>OVERVOLTAGE PROTECTION[V]</b>	DC400 - 450 The power factor corrector function stops
	<b>IOG</b>	Inverter operation monitoring. Open-collector output. Maximum sink current 10mA. Maximum allowance voltage 35V
	<b>ENA</b>	Enable signal, Open-collector output. Maximum sink current 10mA. Maximum allowance voltage 35V
	<b>AUX</b>	Auxiliary power supply for external signal. Output voltage:6.5 - 8.5V maximum. Output current:10mA
	<b>OTHERS</b>	Parallel operation possible (Current balancing function). N+1 redundant operation possible. Thermal protection
<b>ISOLATION</b>	<b>INPUT-OUTPUT</b>	Non isolated
	<b>INPUT, OUTPUT-FG</b>	AC3,000V 1minute Cutoff current = 10mA. DC500V, 50MΩmin (20±15°C)
<b>ENVIRONMENT</b>	<b>OPERATING TEMP.HUMID.AND ALTITUDE *4</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, C-UL, EN60950-1, EN50178 Complies with DEN-AN and IEC60950-1
	<b>HARMONIC ATTENUATOR</b>	Complies with IEC61000-3-2 *5
<b>OTHERS</b>	<b>CASE SIZE/WEIGHT</b>	118.6 x 12.7 x 85mm [4.67 x 0.5 x 3.35 inches] (W x H x D) /200g max
	<b>COOLING METHOD</b>	Conduction cooling (e.g. heat radiation from the aluminum base plate to the attached heat sink)

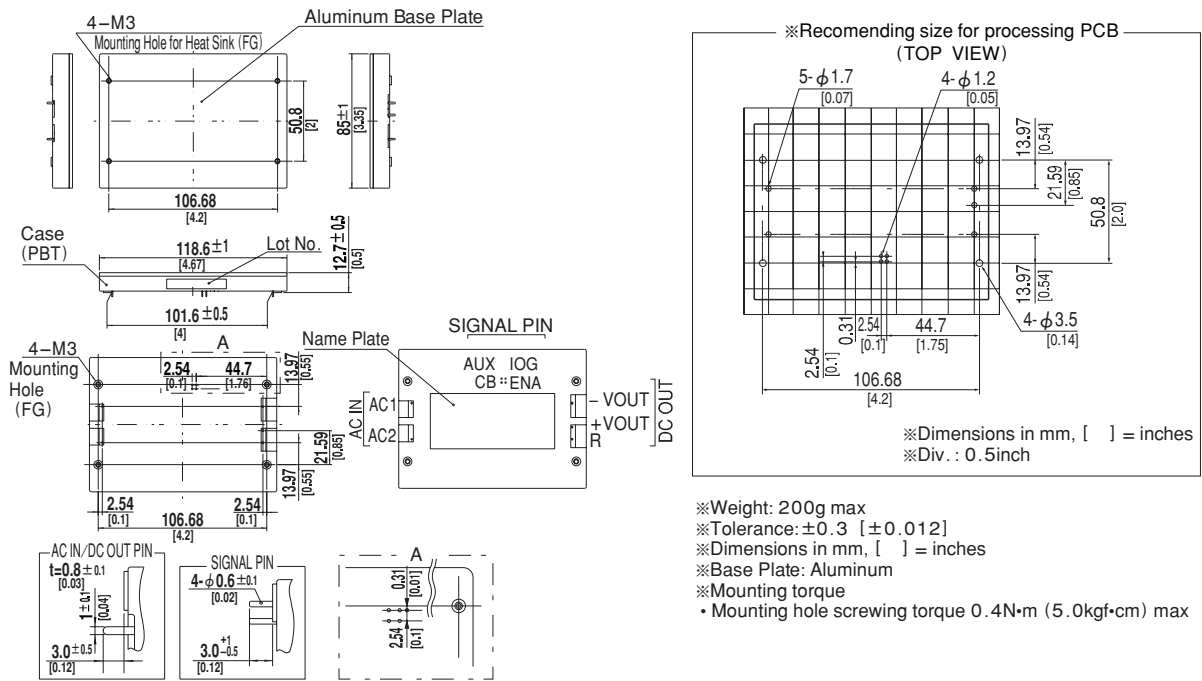
\*1 Refer to Input voltage derating.  
 \*2 When the input voltage is more than 255V, the power factor corrector function stops, and the output voltage becomes rectified AC input voltage.  
 \*3 The value included the output setting and the line regulation, the load regulation and the temperature regulation. However, the input voltage is in the power factor correction range.  
 \*4 Please consult us in regard to use from -40°C.  
 \*5 Please contact us about class C.  
 \* External components are required. Refer to standard connection method.

Specifications are subject to change without notice. It is responsibility of each customer to thoroughly test each product and part number under their unique parameters and environments to ensure a product will work properly and reliably.

Click below for more details, to buy on-line or request volume pricing:  
<http://power.sager.com/cosel-DPF-dc-dc-converter.html>

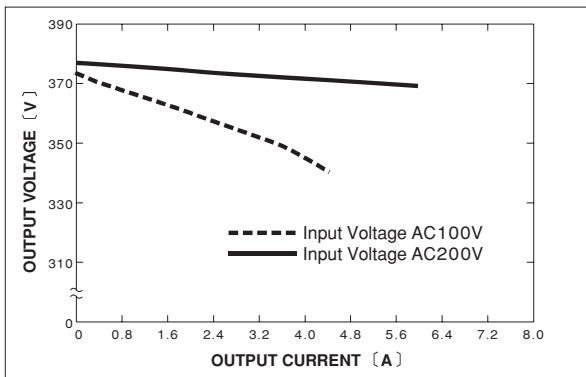
**(866) 588-1750**  
 power@sager.com  
<http://power.sager.com>

**External view**

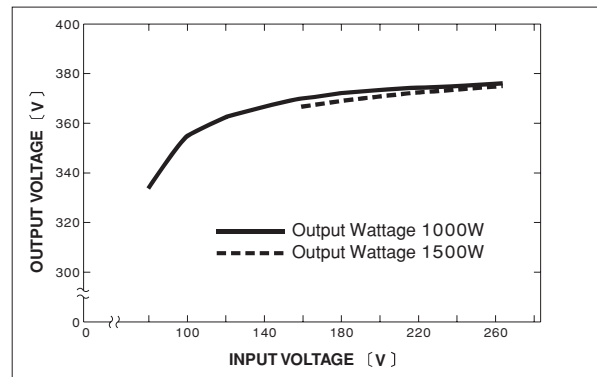


**Performance data**

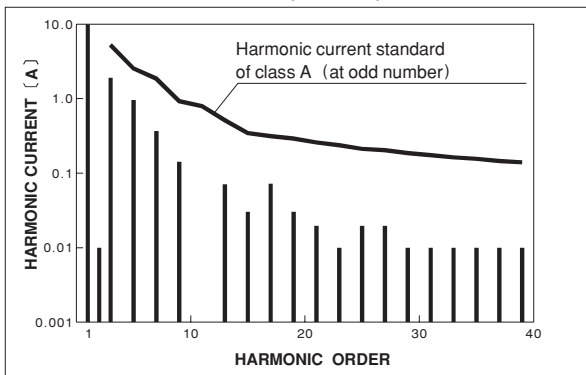
**STATIC CHARACTERISTICS**



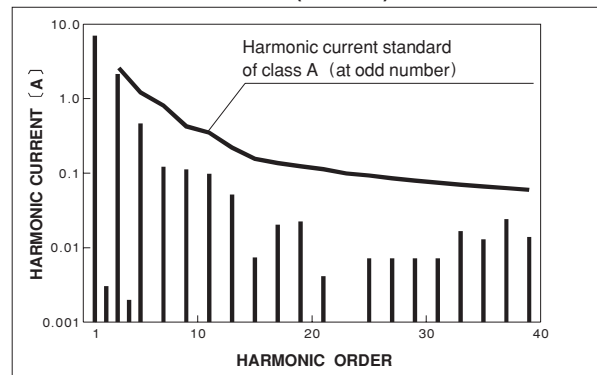
**OUTPUT VOLTAGE FOR INPUT**



**HARMONIC CURRENT (AC100V)**



**HARMONIC CURRENT (AC230V)**



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