

1000W Single Output DC-DC Converter



24/48/110/220V

Nominal Input Voltage

1.0kW

Maximum Output Power



24/48/110/220V

Nominal Output Voltage

Specifications					
Input	System Numbers (24V DC input)	CM1024-24A	CM1048-24A	CM10110-24A	CM10220-24A
	Voltage Range	19 ~ 30VDC			
	Efficiency (Typ.)	>82%			
	DC Current DC Current (Typ.)	48.8A/24VDC		55A/24VDC	
	System Numbers (48V DC input)	CM1024-48A	CM1048-48A	CM10110-48A	CM10220-48A
	Voltage Range	40 ~ 60VDC			
	Efficiency (Typ.)	>83%			
	DC Current DC Current (Typ.)	24A/48VDC		27.6A/48VDC	
	System Numbers (110V DC input)	CM1024-110A	CM1048-110A	CM10110-110A	CM10220-110A
	Voltage Range	90 ~ 134VDC			
	Efficiency (Typ.)	>85%			
	DC Current DC Current (Typ.)	10.3A/110VDC		11.8A/110VDC	
	System Numbers (220V DC input)	CM1024-220A	CM1048-220A	CM10110-220A	CM10220-220A
	Voltage Range	160 ~ 280VDC			
Efficiency (Typ.)	>87%				
DC Current DC Current (Typ.)	5.1A/220VDC		5.8A/220VDC		
Output	DC Voltage	24V	48V	110V	220V
	Rated Current	40A	20A	10A	5A
	Current Range	0 ~ 40A	0 ~ 20A	0 ~ 10A	0 ~ 5A
	Rated Power	960W	960W	1100W	1100W
	Ripple & Noise (max.)	200mVp-p	200mVp-p	200mVp-p	200mVp-p
	Voltage ADJ. Range	20 ~ 28V	40 ~ 57.6V	90 ~ 134V	180 ~ 243V
	Voltage Tolerance	1.0%			
	Line/Load Regulation	0.5%			
Protection	Overload	Iout_max 0.5A Protection type : Constant current limiting			
	Over Voltage	30V	60V	134V	245V
	Over Temperature	85 ±5°C detect on heatsink of power transistor; Protection type: Shut down o/p voltage, recovers automatically after temperature goes down			
Environment	Operating TEMP./Humidity	-20 to +45°C /20 to 90% RH non-condensing			
	Storage TEMP. /Humidity	-40 to +85 /10 to 95% RH			
	TEMP. Coefficient	0.02%/ (0 to 45°C)			
	Vibration	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes			
Safety	Withstand Voltage	I/P-O/P:1.5KVAC I/P-FG: 0.5KVDC O/P-FG: 0.5KVDC			
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC / 25°C/ 70% RH			
Others	Dimension	240*482*88mm (L*W*H)			
	Packing	7Kg			