

XD SERIES

1000W DC/DC CONVERTERS Single Output

並列運転可能
Parallel Operation



H45 x W115 x L270 (mm)

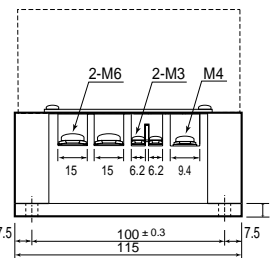
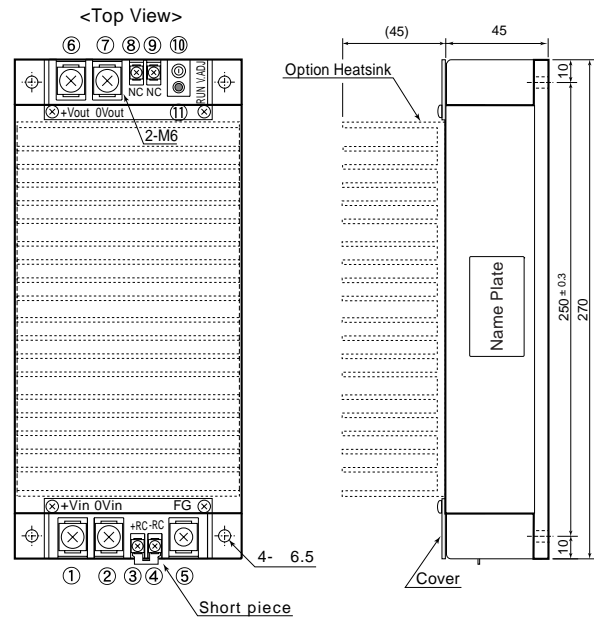
Features

- | | |
|---|------------------------------|
| High Output 1000W | 高出力 1000W |
| High Efficiency 89% ~ 93% | 高効率 89% ~ 93% |
| Input-Output Isolation (AC2000V) | 入出力間絶縁 (AC2000V) |
| Possible Parallel Operation
up to 4 converters | 4台まで並列運転可能 |
| Remote ON/OFF Control | リモートON/OFFコントロール |
| Input Low Voltage Protection | 入力低電圧保護回路内蔵 |
| Input Over Voltage Protection | 入力過電圧保護回路内蔵 |
| Thermal Protection
+110 ~ +120 | 過熱保護回路内蔵
+110 ~ +120 |
| Cooling by mounting on Chassis
or using Heat Sink | シャーシ上又はヒートシンク
の取付により放熱 |
| Conformity to RoHS Directive | RoHS指令対応 |
| No aluminum electrolytic capacitor
and no tantalum capacitor are used. | アルミ電解コンデンサ及び
タンタルコンデンサ不使用 |
| Built-in Input Fuse | 入力ヒューズ内蔵 |

General Characteristics

- | | |
|-----------------------------------|--|
| Input Voltage, Range | (at Ta:25 °C, Full Load, Nominal Vin)
DC 48, 96, 200, 300, 400V (See Table 1) |
| Output Voltage, Current | See Table 1 |
| Output Voltage Accuracy | ±5% Adjustable |
| Efficiency | See Table 1 |
| Line Regulation | 0.3% max. (at Vin Range) |
| Load Regulation | 3.0% typ. (0 ~ 100% Load) |
| Output Ripple | 200mV p-p max. |
| Output Noise | 500mV p-p max. |
| Short Circuit Protection | Built-in, Auto-restart |
| Output Over Voltage
Protection | Built-in, Shut-down
(120% ~ 140% Vout) |
| Remote ON/OFF Control | ON : Short
OFF : Open
(Between pin ~) |
| Temperature Coefficient | 0.02% / max. |
| Operating Ambient Temp. | -40 ~ +85 |
| Max. Case Temp. | +105 |
| Storage Temp. | -40 ~ +115 |
| Isolation Voltage | AC2000V one minute
(Input - Output - Case) |
| Isolation Impedance | 100M min. (at DC1000V)
(Input - Output - Case) |
| Weight | Main Body : 3.0Kg max.
Heatsink : 600g max. |
| Humidity | 20 ~ 95% RH |
| Shock | 490m/s ² (11msec 3directions) |
| Vibration | JIS E4031 Category 1 - Class B |
| Surface Structure | Aluminium Case |
| MTBF | 120,000H
(Ta:25 °C, 80% Load, Nominal Vin) |
| Warranty | 5 years |

Terminal Outs & Dimensions (±0.5mm)



Terminal Outs and Function

① +Vdc in	⑥ +Vdc out
② 0 Vdc in	⑦ 0Vdc out
③ +RC	⑧ NC
④ -RC	⑨ NC
⑤ FG	⑩ V.ADJ Trimmer
	⑪ Operate Indicator

* Option Heatsink Model : A3-12883

Selection Guide

Model Number	Input Voltage (Range) (V. DC)	Output Voltage (V. DC)	Output Current (A)	Efficiency (typ.) (%)	
				20% Load	80% Load
XD48 - 24S42A	48(36 ~ 75)	24	42	89	93
XD96 - 24S42A	96(70 ~ 144)	24	42	89	93
XD200 - 24S42A	200(150 ~ 300)	24	42	89	93
XD300 - 24S42A	300(225 ~ 450)	24	42	89	93
XD400 - 24S42A	400(300 ~ 600)	24	42	89	93

上記仕様以外にも対応可能ですのでお問い合わせ下さい。
Please consult with us about other specification.