

XD SERIES NEW

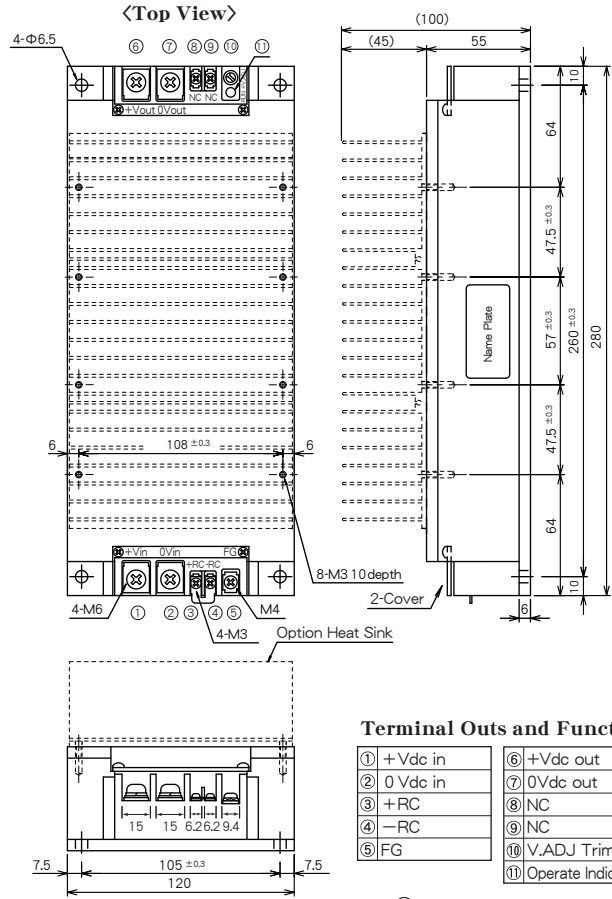
1000W DC/DC CONVERTERS Single Output

並列運転可能
Parallel Operation



H55×W120×L280 (mm)

Terminal Outs & Dimensions (±0.5mm)



Terminal Outs and Function

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

⊗ Voltage Adjustable Trimmer

* Option Heat Sink Model : A3-15568

Features

- High Output 1000W
- High Efficiency 89%~93%
- Input-Output Isolation (AC2000V)
- Possible Parallel Operation up to 4 converters
- Remote ON/OFF Control
- Input Low Voltage Protection
- Input Over Voltage Protection
- Thermal Protection +110°C~+120°C
- Cooling by mounting on Chassis or using Heat Sink
- Conformity to RoHS2 Directive
- No aluminum electrolytic capacitor and no tantalum capacitor are used.
- Built-in Input Fuse
- 高出力 1000W
- 高効率 89%~93%
- 入出力間絶縁 (AC2000V)
- 4台まで並列運転可能
- リモートON/OFFコントロール
- 入力低電圧保護回路内蔵
- 入力過電圧保護回路内蔵
- 過熱保護回路内蔵 +110°C~+120°C
- シャーシ上又はヒートシンクの取付により放熱
- RoHS2指令対応
- アルミ電解コンデンサ及びタンタルコンデンサ不使用
- 入力ヒューズ内蔵

General Characteristics

- Input Voltage, Range (at Ta : 25°C, Full Load, Nominal Vin) DC 100, 200, 300, 400, 600V (See Table 1)
- Output Voltage, Current See Table 1
- Output Voltage Adjustment ±5%
- 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 ③ ~ ④)
- Temperature Coefficient 0.02%/°C max.
- Operating Ambient Temp. -40°C~+85°C
- Max. Case Temp. +105°C
- Storage Temp. -40°C~+115°C
- Isolation Voltage AC2000V one minute (Input-Output-Case)
- Isolation Impedance 100MΩ min. (at DC1000V) (Input-Output-Case)
- Weight Main Body : 3.0kg max. Heat sink : 600g max.
- Humidity 20~95% RH
- Shock 490m/s² (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

Selection Guide

Table 1

Model Number	Input Voltage (Range) (V. DC)	Output Voltage (V. DC)	Output Current (A)	Efficiency (typ.) (%)	
				20% Load	80% Load
XD100 - 24S42A	100(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
XD600 - 24S42A	600(420~730)	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.

XD SERIES DATA SHEET