

NDRM-2115Y HE RECTIFIER

(2.76KW Rectifier Module)

the
POWER
you need

Rectifier Module
24VDC / 2760W

NDRM-2115Y

Product Features:

- Modular Design
- World Wide Safety Approval
- DSP Controller
- LED alarm indicated
- Energy saving operation
- Constant electric power control



Input Specifications:

VOLTAGE	1Ø220VAC (85VAC ~ 296VAC) (Nominal 176~275Vac)
FREQUENCY	47-63Hz
INRUSH CURRENT	30A @ 220AVC
PROTECTION	Mains fuse in both lines
LEAKAGE	3.5mA Max @ 220VAC
EFFICIENCY	92.5% Typical (30~60% Load)
POWER FACTOR	> 0.98 at 50% load or more
PROTECTION	Input Under voltage, Overvoltage

Output Specifications:

OUTPUT VOLTAGE	24.0VDC
OUTPUT CURRENT	115A (Max 2.76KW)
ADJUSTMENT RANGE	22.0~27.0VDC
LINE REGULATION	±0.5% Max over entire input range
LOAD REGULATION	±2.0% Maximum
TEMP REGULATION	±2.0% Maximum
Overall REGULATION	±5.0% Maximum
RIPPLE & NOISE	≤ 300mVp-p
SETPPOINT ACCURACY	±0.5%
OVER VOLTAGE	27.5VDC(recycle input to reset)
PROTECTION	Power derated, Thermal Shutdown

Status & Control signals:

COMMUNICATION	RS485, CAN
---------------	------------

General Specifications:

OPERATING TEMP	-40°Cto +75°C,(Deratingabove +50°C)
STORAGE TEMP	-40°Cto +85°C
OPERATING HUMIDITY	0% to 95% (Non-Condensing)
STORAGE HUMIDITY	5% to 95% (Non-Condensing)
COOLING	Controlled Fan in a module
ACOUSTIC NOISE	< 55dBA(Nominal input , full load , Ta > 40°C)
VIBRATION	10-55Hz, 2G, 3min period/60 min each(3 axes)
RELIABILITY	>350,000 Hrs MTBF (Ambient : 25°C)
SIZE(W×D×H)	85mm ×405.5mm ×122.5mm
WEIGHT	4.03kg

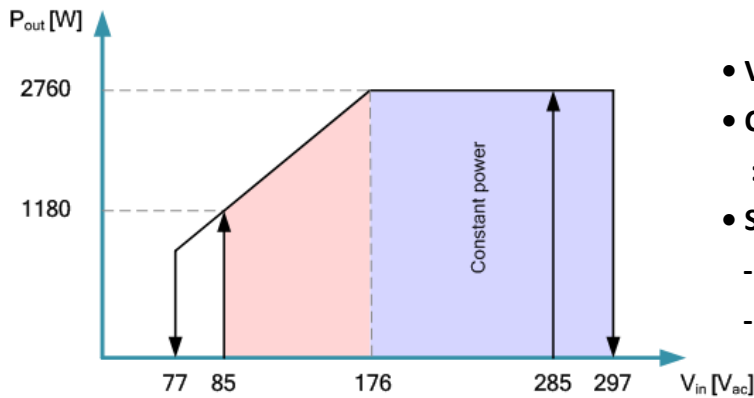
Electromagnetic Compatibility:

EMISSIONS	EN55022 Level A (Conducted)
ELECTROSTATIC DISCHARGE	EN61000-4-2, 4KV Contact / 8KV Air
RADIATED SUSCEPTIBILITY	EN61000-4-3, 26-1000MHz, 10V/M, 80%AM
EFT/BURSTS	EN61000-4-4, 2KV
SURGE	EN61000-4-5
CONDUCTED IMMUNITY	EN61000-4-6, 0.15-800MHz, 10V 80%
VOLTAGE DIPS	EN61000-4-10, 95% Dip&10ms, 30% Dip&500ms
VOLTAGE INTERRUPTIONS	EN61000-4-11, 95% reduction, 5ms
FLUCTUATIONS & FLICKER	EN61000-3-3

Standards & Approvals:

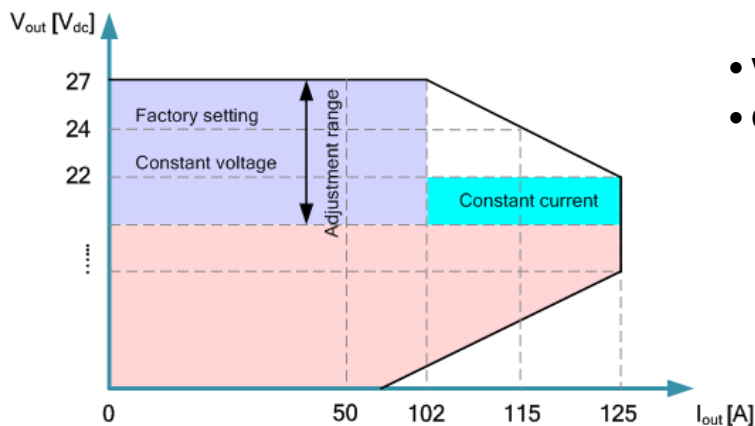
UL, CE, CB

AC Input:



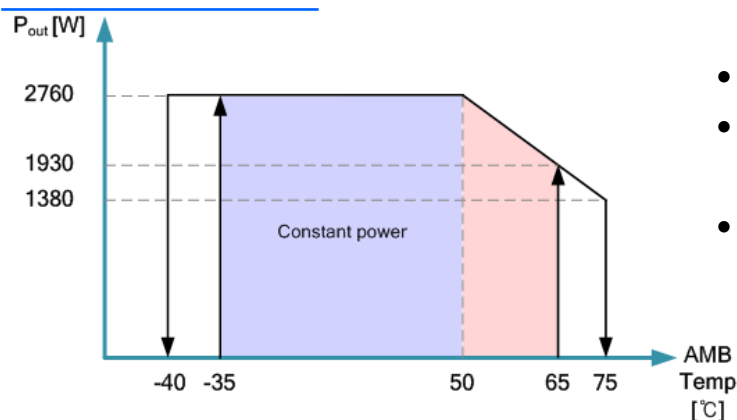
- Voltage range : 85Vac ~ 296Vac
- Constant power range (Max 2.76KW)
: 176Vac~ 296Vac
- Shut-down. Voltage
 - OVP : 297Vac (recovery 285Vac)
 - UVP : 77Vac (recovery 85Vac)

DC Output:



- Voltage range : 22.0Vdc ~ 27.0Vdc
- Constant power range (Max 2.76KW)
: 22.0Vdc ~ 27.0Vdc

Temperature:



- Operating temperature : -40°C~ 75°C
- Constant power range (Max 2.76KW)
: -40°C~ 50°C
- Shut-down. Temperature (Tolerance:±5°C)
 - : 75°C(recovery 65°C)
 - : -40°C(recovery -35°C)



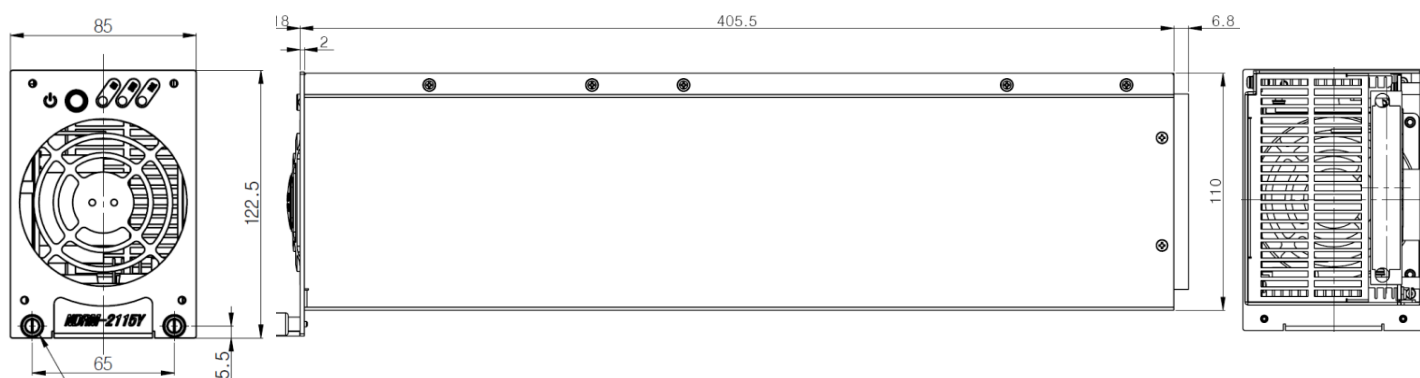
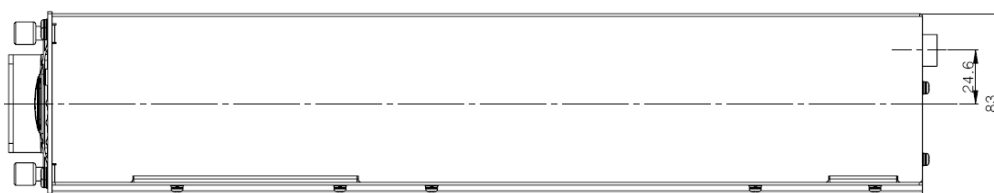
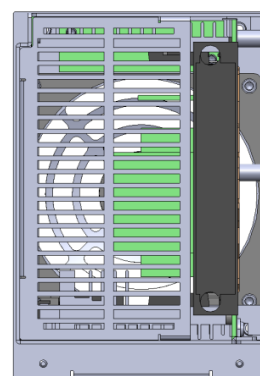
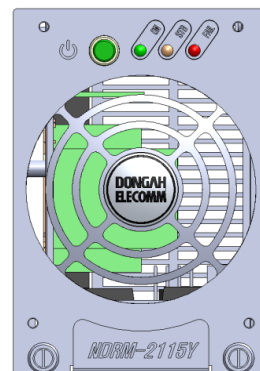
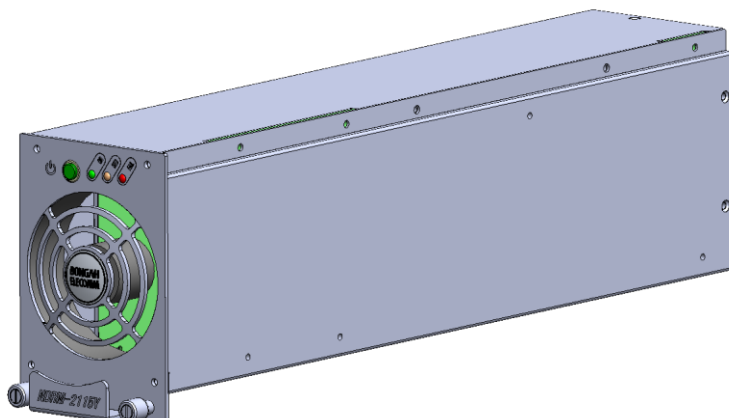
NDRM-2115Y

(2.76KW Rectifier Module)

the
POWER
you need

High Efficiency Rectifier Module

Outline Drawing:



DONGAH ELECOMM
www.dongahelcomm.co.kr
www.dongahusa.com

DongAh Elecomm Corp.
134-14, Nampyeong-ro, Yangji-myun, Cheoin-gu,
Yongin-si, Kyunggi-do, 17162 Korea

Tel : +82-31-330-5500
Fax : +82-31-330-9040