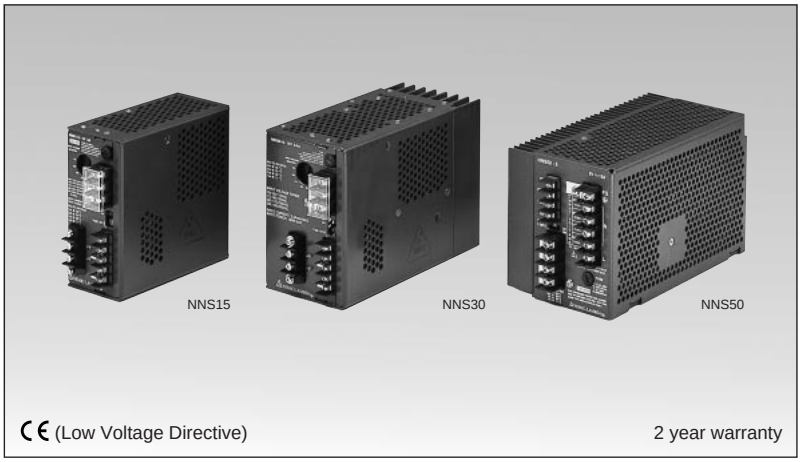
NNS-SERIES

Linear power supply single output 15W ~ 50W

LAMBDA
DENSEI-LAMBDA



CE (Low Voltage Directive) 2 year warranty

Model name

NNS 15-5

- NNS: Name of series
- 15: Output power: 15W, 30W, 50W
- 5: Output voltage: 5VDC, 12VDC, 15VDC, 24VDC

Features

- CE marking (Low Voltage Directive)
- Compact linear power supply
  Low ripple & noise: 1mV (rms), 3mV (pk-pk)
- Low leakage current: 50µA
- Wide operating temperature range: –20 ~ +71°C
- Input voltage range
  100/115/200/230VAC
- Output current balancing in running in parallel
- 2 year warranty

Specifications

1. Input voltage range	100VAC: 85 ~ 115VAC 115VAC: 98 ~ 132VAC 200VAC: 170 ~ 230VAC 230VAC: 195 ~ 265VAC input selectable
2. Output voltage range	±10%
3. Line regulation	Line regulation: 0.01% (Within input voltage range at constant load)
4. Load regulation	Load regulation: 0.03% (No load to full load at constant input voltage)
5. Maximum ripple & noise	1mV (rms) 3mV (pk-pk)
6. Cooling	Convection Cooling
7. Operating ambient temperature (Standard mounting)	–20 ~ +71°C –20°C: 60%, 0 ~ +50°C: 100%, +60°C: 60%, +71°C: 40%
8. Withstand voltage	Input–output: 3.75kVAC, Input–FG: 2.5kVAC
9. Safety standard	Approved by UL1950 , CSA950(C-UL) and EN60950
10. EMI	Conforms to VCCI-class A, FCC class B and VDE0871 class B
11. Functions	Over voltage protection, Over current protection, Remote sensing, Output current balancing NNS50: Remote on/off control

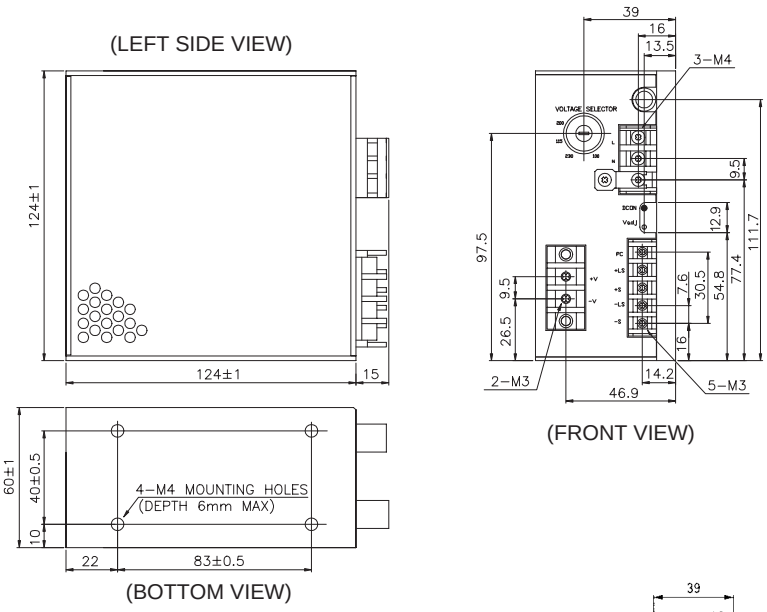
Product lineup

Model name		Nominal output voltage	Max. output current	Max. output power	UL	CSA	EN
NNS15	NNS15-5	5V	3A	15W	○	○	○
	NNS15-12	12V	1.7A	20.4W	○	○	○
	NNS15-15	15V	1.4A	21W	○	○	○
	NNS15-24	24V	0.9A	21.6W	○	○	○
NNS30	NNS30-5	5V	6A	30W	○	○	○
	NNS30-12	12V	4A	48W	○	○	○
	NNS30-15	15V	3.4A	51W	○	○	○
	NNS30-24	24V	2.3A	55.2W	○	○	○
NNS50	NNS50-5	5V	10A	50W	○	○	○
	NNS50-12	12V	6.5A	78W	○	○	○
	NNS50-15	15V	5.5A	82.5W	○	○	○
	NNS50-24	24V	3.8A	91.2W	○	○	○

- Request customer specification for further details of specifications, outline, characteristics, etc.
  Read the instruction manual before usage.
- Contact us about delivery before ordering.

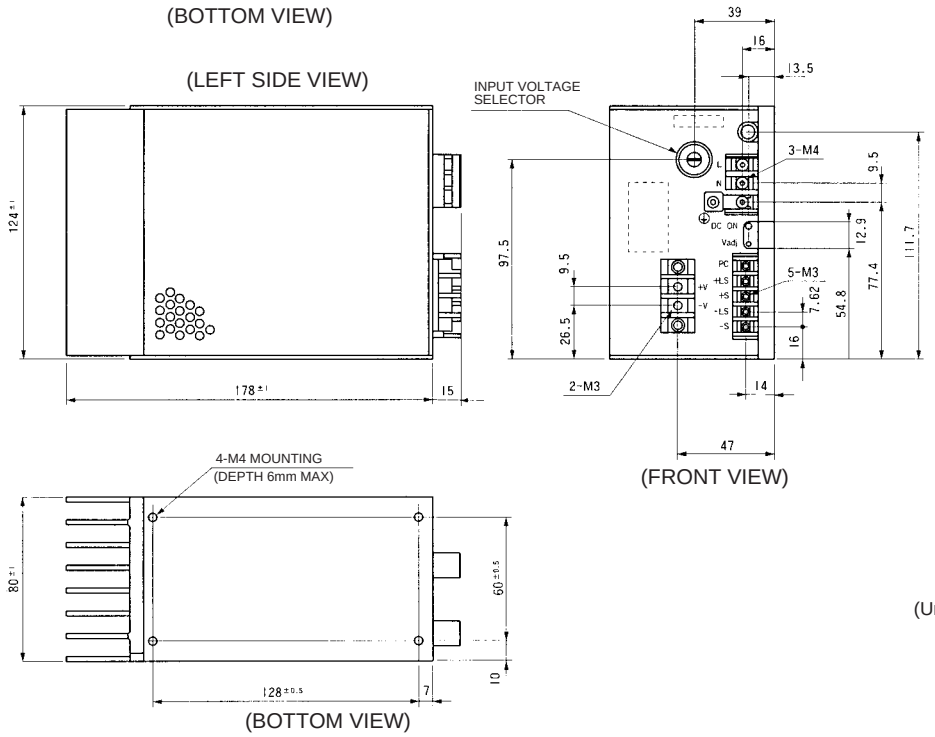
○ : Safety standard approved

■ NNS15



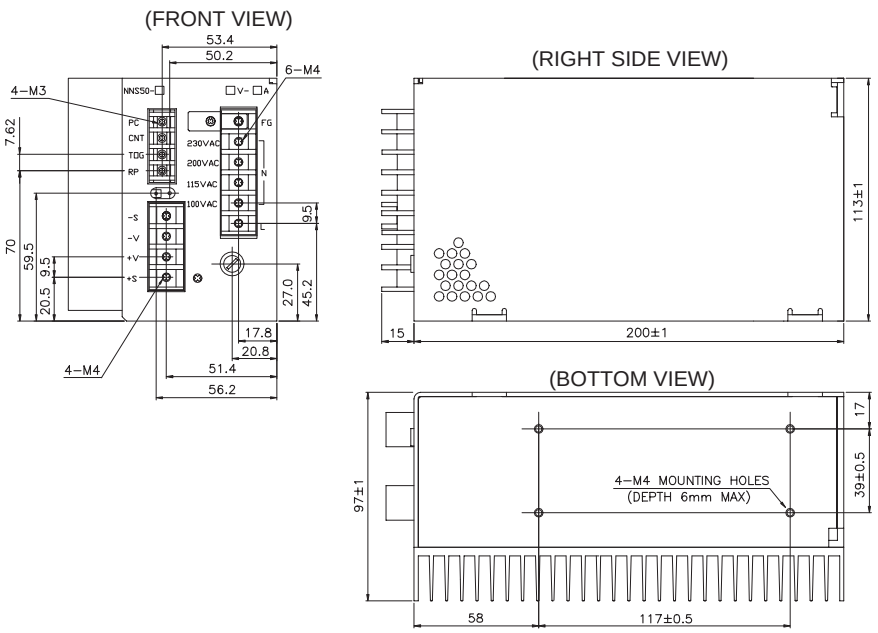
(Unit: mm)

■ NNS30



(Unit: mm)

■ NNS50

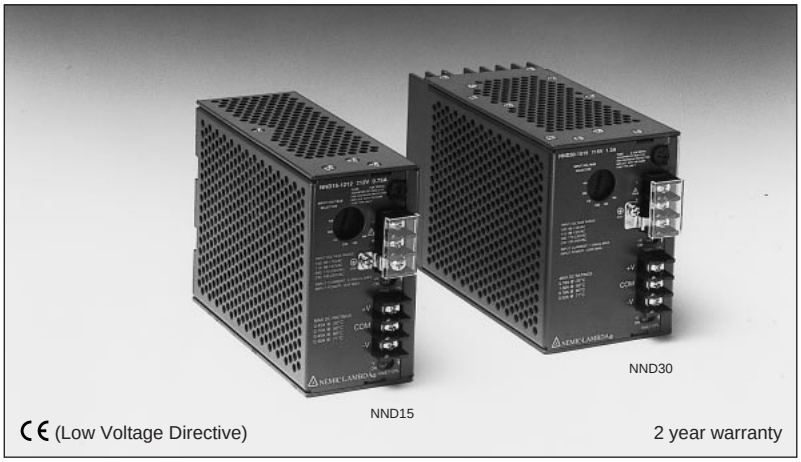


(Unit: mm)

NND-SERIES

Linear power supply dual output 15W ~ 30W

LAMBDA
DENSEI-LAMBDA



CE (Low Voltage Directive) 2 year warranty

Model name

NND 15-1212

- NND: Name of series
- 15: Output power: 15W, 30W
- 1212: Combination of output voltages (1212: ±12VDC, 1515: ±15VDC)

Features

- CE marking (Low Voltage Directive)
- Compact linear power supply
  Low ripple & noise: 1mV (rms), 3mV (pk-pk)
- Low leakage current: 50μA
- Wide operating temperature range: –20 ~ +71°C
- Input voltage range
  100/115/200/230VAC
- 2 year warranty

Specifications

1. Input voltage range	100VAC: 85 ~ 115VAC 115VAC: 98 ~ 132VAC 200VAC: 170 ~ 230VAC 230VAC: 195 ~ 265VAC selectable
2. Output voltage range	±10% (for each output)
3. Line regulation	Line regulation: 0.01% (Within input voltage range at constant load)
4. Load regulation	Load regulation: 0.03% (No load to full load at constant input voltage)
5. Maximum ripple & noise	1mV (rms) 3mV (pk-pk)
6. Cooling	Convection cooling
7. Operating ambient temperature (Standard mounting)	–20 ~ +71°C –20°C: 60%, 0 ~ +50°C: 100%, +60°C: 60%, +71°C: 40%
8. Withstand voltage	Input–output: 3.75kVAC, Input–FG: 2.5kVAC
9. Safety standard	Approved by UL1950, CSA950 and EN60950
10. EMI	Conforms to VCCI-class A, FCC class B and VDE class B
11. Functions	Over voltage protection, Over current protection

Product lineup

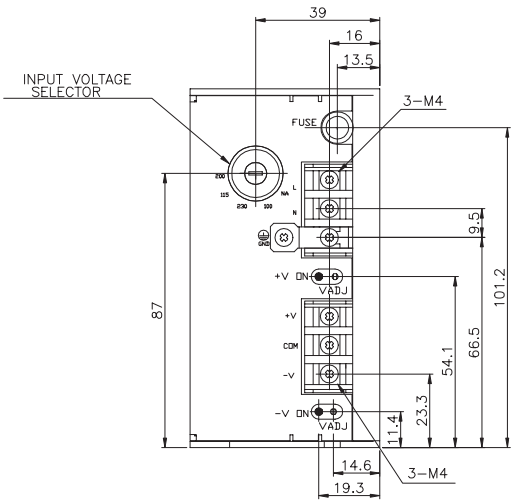
Model name		CH	Nominal output voltage	Max. output current	Max. output power	UL	CSA	EN
NND15	NND15-1212	CH1	+12V	0.75A	18W	○	○	○
		CH2	–12V	0.75A				
	NND15-1515	CH1	+15V	0.6A	18W	○	○	○
		CH2	–15V	0.6A				
NND30	NND30-1212	CH1	+12V	1.6A	38.4W	○	○	○
		CH2	–12V	1.6A				
	NND30-1515	CH1	+15V	1.3A	39W	○	○	○
		CH2	–15V	1.3A				

- Request customer specification for further details of specifications, outline, characteristics, etc.
  Read the instruction manual before usage.
- Contact us about delivery before ordering.

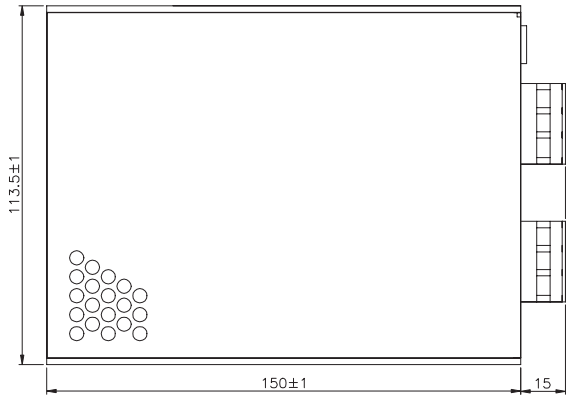
○: Safety standard approved

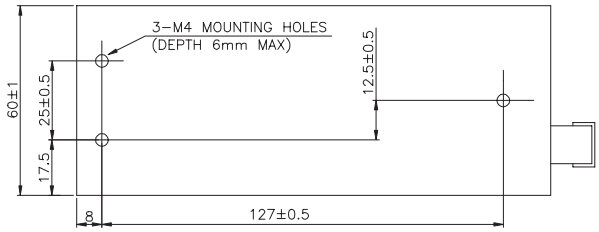
■ NND15

(FRONT VIEW)



(LEFT SIDE VIEW)



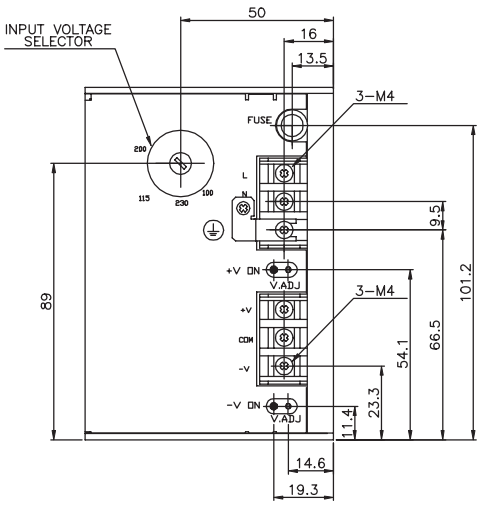


(BOTTOM VIEW)

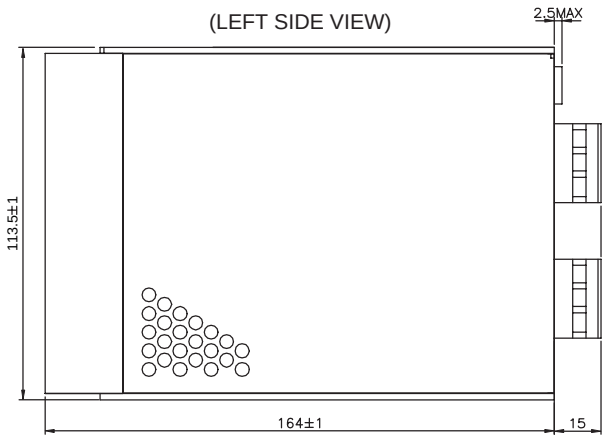
(Unit: mm)

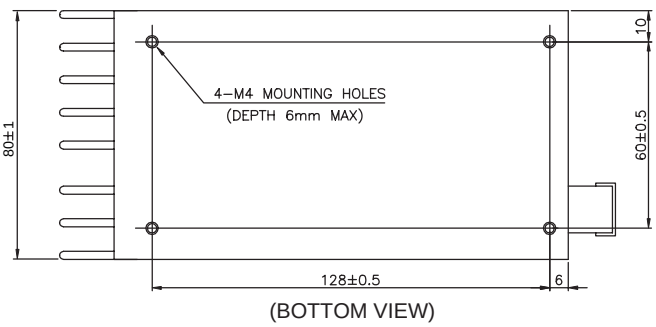
■ NND30

(FRONT VIEW)



(LEFT SIDE VIEW)





(BOTTOM VIEW)

(Unit: mm)