

### **MAIN FEATURES**

- 85 264 V<sub>AC</sub> universal input voltage range
- 200 W rated power
- 1.00" (25.4 mm) low profile package (28.4 W/in<sup>3</sup>)
- High efficiency (up to 94%)
- No-load low power consumption: <0.3 W for 12, 24,  $V_{\text{DC}}$ ; <0.4W for 48  $V_{\text{DC}}$  standard output variants.
- Low earth leakage current: <300 μA
- Over temperature protection, auto recovery
- Output over voltage protection, latch off
- Overload and short circuit protections, auto recovering
- Metallic protecting cage on semi-potted PWA
- IEC safety installation Class I
- Certified to the latest IEC/EN/UL 62368-1 edition
- Compliant to EN 55032 and certified to CISPR-FCC Class B
- Meet IEC/EN 60335-1 requirements for household appliances
- Operating Altitude up to 5000 m (OVC II), up to 2000 m (OVC III)
- RoHS-3 compliant (EU directive 2015/863)
- 5 years warranty



#### DESCRIPTION

The LPD200 is a series of Audio/Video IT/Industrial grade power supplies designed to offer the high-power density and high efficiency that space constrained and power demanding systems need. Available in 12, 24, and 48  $V_{DC}$  outputs, this series of high-performance AC-DC power supplies provides up to 200 W steady output power with moving air, or from 190 W upwards with convection cooling over the 110 – 240  $V_{AC}$  nominal input voltage range, all in a compact 2.28 x 3.09 x 1.00" form factor package. The semi-potted base-plate package allows thermal management through conduction cooling particularly needed in those installations where the heat can be dispelled solely through solid thermal path.

The series also includes 15, 28, 30, 36 and 54V versions whose availability will be assessed upon demand.

With 94% typical efficiency and extremely low (< 0.3 / 0.4 W) power consumption at no-load, the LPD200 facilitates thermal management and equipment design, including compatibility with the latest environmental legislations. The LPD200 series meets the latest IEC/EN/UL 62368-1 safety standards, including the EMC standard EN55032 and CISPR/FCC Class B specifications for conducted noise emissions, and EN55035 / EN 61000-6-2 / EN 61204-3 for EMC immunity, making the series suitable for use in a wide range of Audio/Video, IT / Industrial applications worldwide.

The series comes configured in the IEC protective Class I.

#### **MARKET SEGMENTS AND APPLICATIONS**

- Integrated Wireless Backhaul Mobile LTE-A, 5G
- Desktop 3D Scanners / Printers
- LED Signage / Lighting Systems

- Voice and Data Center Solution
- Fiber Optics Telecommunication Systems
- Video/Imaging Systems



## **MODEL CODING AND OUTPUT RATINGS**

Model Number	Output Voltage V <sub>оυт</sub> [V]	Voltage Accuracy <sup>(1)</sup> [%]	I <sub>OUT</sub> Current Forced Air <sup>(2)</sup> [A]	I <sub>оυт</sub> Current Convection [A]	I <sub>OUT</sub> Current Conduction <sup>(3)</sup> [A]	V <sub>out</sub> Ripple <sup>(4)</sup> [mV]	Typical Efficiency <sup>(5)</sup> [%]
LPD200-12-SP	12	±1	16.67	9.17	14.17	150	92
LPD200-15-SP	15	±1	13.33	7.33	11.33	150	92
LPD200-24-SP	24	±1	8.33	4.58	7.08	200	94
LPD200-28-SP	28	±1	7.14	3.93	6.07	200	93
LPD200-30-SP	30	±1	6.66	3.67	5.67	200	93
LPD200-36-SP	36	±1	5.55	3.06	4.72	200	94
LPD200-48-SP	48	±1	4.16	2.29	3.54	200	94
LPD200-54-SP	54	±1	3.70	2.04	3.15	200	93

#### Notes:

- 1. At full load
- A CFM forced air cooling at >110 V<sub>AC</sub>
   Thermal contact with 177.8 x 177.8 x 2.0 mm (7.00 x 7.00 x 0.08 in) metallic plate
   0.1 μF ceramic capacitor and 10 μF electrolytic capacitor in parallel at load, 20 MHz BW
   Typical values at 230 V<sub>AC</sub>, full load, 25 °C ambient temperature

## **INPUT SPECIFICATIONS**

Specification	Test Conditions / Notes	Min.	Nominal	Max.	Units
AC Input Voltage		85	100-240	264	V <sub>AC</sub>
Input Frequency		47	50/60	63	Hz
Input Current	RMS at 100 V <sub>AC</sub> , maximum load	-	-	3.15	А
Inrush Current (peak)	240 V <sub>AC</sub> , 25 °C ambient, cold start	-	-	85	А
Fusing	Time Lag, 3.15 A, 250 V on both L and N	-	5	-	А
Efficiency	At 230 V <sub>AC</sub> , 100 % rated load, 25 °C T <sub>AMB</sub> 12, 15 V <sub>DC</sub> 24, 36, 48 V <sub>DC</sub> 28, 30, 54 V <sub>DC</sub> At 115-230 V <sub>RMS</sub> , no load, 12, 15, 24, 28, 30, 36 V	-	92 94 93	- - 0.3	%
No-load Power Consumption	At 115-230 V <sub>RMS</sub> , no load, 12, 15, 24, 28, 30, 36 V 48, 54 V variants	-	-	0.3 0.4	W
Power Factor	At full rated load, 230 V <sub>AC</sub> , 50 Hz input voltage	0.96	0.98	-	-
Harmonic Current	Complies with EN-61000-3-2, Classes A, D				
Fluctuations and Flicker	Complies with EN-61000-3-3 at nominal voltages and full load				
Earth Leakage Current	Normal conditions, 264 V <sub>AC</sub> , 60 Hz	-	-	300	μΑ
Touch Leakage Current	Normal conditions, 264 V <sub>AC</sub> , 60 Hz 1				μA



## **OUTPUT SPECIFICATIONS**

Output Voltage       ±1 % set point accuracy for all voltage variants. At 100 % load, 25 °C T <sub>AMB</sub> , 100-240 V <sub>AC</sub> Output Voltage Adjustment       Pout ≤ P <sub>RATED</sub> , Through potentiometer         Rated Currents       ≥ 110 V <sub>AC</sub> , 14 CFM air flow         12 V <sub>DC</sub> 15 V <sub>DC</sub> 24 V <sub>DC</sub> 28 V <sub>DC</sub> 30 V <sub>DC</sub> 36 V <sub>DC</sub> 36 V <sub>DC</sub> 54 V <sub>DC</sub> 28 V <sub>DC</sub> 54 V <sub>DC</sub> 36 V <sub>DC</sub> 210 V <sub>AC</sub> , free air         12 V <sub>DC</sub> 54 V <sub>DC</sub> 36 V <sub>DC</sub> 36 V <sub>DC</sub>		12 15 24 28 30 36 48 54 - - - - - - - - - - - - - - - - - -	- - - - 5 16.67 13.33 8.33 7.14 6.66 5.55 4.16 3.70	V %
Dutput Voltage Adjustment       Pour ≤ P <sub>RATED</sub> , Through potentiometer         Rated Currents       ≥ 110 V <sub>AC</sub> , 14 CFM air flow         12 Voc       15 V <sub>oc</sub> 24 Voc       28 V <sub>bc</sub> 30 V <sub>bc</sub> 30 V <sub>bc</sub> 36 V <sub>bc</sub> 48 V <sub>bc</sub> 54 V <sub>bc</sub> 24 V <sub>bc</sub> 28 V <sub>bc</sub> 30 V <sub>bc</sub> 30 V <sub>bc</sub> 36 V <sub>bc</sub> 310 V <sub>bc</sub> 24 V <sub>bc</sub> 30 V <sub>bc</sub> 36 V <sub>bc</sub> 30 V <sub>bc</sub> 30 V <sub>bc</sub>		24 28 30 36 48 54 - - - - - - -	5 16.67 13.33 8.33 7.14 6.66 5.55 4.16	%
tated Currents ≥ 110 V <sub>AC</sub> , 14 CFM air flow 12 V <sub>DC</sub> 15 V <sub>DC</sub> 24 V <sub>DC</sub> 28 V <sub>DC</sub> 30 V <sub>DC</sub> 36 V <sub>DC</sub> 48 V <sub>DC</sub> 54 V <sub>DC</sub> 54 V <sub>DC</sub> 52 V <sub>DC</sub> 52 V <sub>DC</sub> 52 V <sub>DC</sub> 52 V <sub>DC</sub> 53 V <sub>DC</sub> 54 V <sub>DC</sub> 54 V <sub>DC</sub> 52 V <sub>DC</sub> 53 V <sub>DC</sub> 53 V <sub>DC</sub> 54 V <sub>DC</sub> 53 V <sub>DC</sub> 54 V <sub>DC</sub> 53 V <sub>DC</sub> 54 V <sub>DC</sub> 53 V <sub>DC</sub> 54 V <sub>DC</sub> 53 V <sub>DC</sub> 53 V <sub>DC</sub> 53 V <sub>DC</sub> 53 V <sub>DC</sub> 54 V <sub>DC</sub> 53 V <sub>DC</sub> 54 V <sub>DC</sub> 53 V <sub>DC</sub> 54 V <sub>DC</sub> 53 V <sub>DC</sub> 54 V <sub>DC</sub> 54 V <sub>DC</sub> 53 V <sub>DC</sub> 54 V <sub>DC</sub> 54 V <sub>DC</sub> 53 V <sub>DC</sub> 54 V <sub>DC</sub> 53 V <sub>DC</sub> 54 V <sub>DC</sub> 53 V <sub>DC</sub> 54 V <sub>DC</sub> 53 V <sub>DC</sub> 54 V <sub>DC</sub> 54 V <sub>DC</sub> 53 V <sub>DC</sub> 54 V <sub>DC</sub> 53 V <sub>DC</sub> 54 V <sub>DC</sub> 54 V <sub>DC</sub> 54 V <sub>DC</sub> 54 V <sub>DC</sub> 55 V <sub>DC</sub> 54 V <sub>DC</sub> 55 V <sub>DC</sub>		28 30 36 48 54 - - - - - - -	5 16.67 13.33 8.33 7.14 6.66 5.55 4.16	%
Rated Currents≥ 110 Vac, 14 CFM air flow12 Vbc15 Vbc24 Vbc28 Vbc30 Vbc36 Vbc48 Vbc54 VbcSee output power de-rating curves below≥ 110 Vac, free air12 Vbc15 Vbc24 Vbc25 Vbc30 Vbc30 Vbc30 Vbc30 Vbc30 Vbc30 Vbc		30 36 48 54 - - - - - -	5 16.67 13.33 8.33 7.14 6.66 5.55 4.16	%
Rated Currents $\geq 110 V_{AC}, 14 \text{ CFM air flow}$ $12 V_{DC}$ $15 V_{DC}$ $15 V_{DC}$ $24 V_{DC}$ $28 V_{DC}$ $30 V_{DC}$ $36 V_{DC}$ $48 V_{DC}$ $54 V_{DC}$ See output power de-rating curves below $\geq 110 V_{AC}$ , free air $12 V_{DC}$ $15 V_{DC}$ $24 V_{DC}$ $28 V_{DC}$ $30 V_{DC}$		36 48 54 - - - - -	5 16.67 13.33 8.33 7.14 6.66 5.55 4.16	
Rated Currents≥ 110 Vac, 14 CFM air flow12 Voc15 Voc24 Voc28 Voc30 Voc36 Voc48 Voc54 VocSee output power de-rating curves below≥ 110 Vac, free air12 Voc15 Voc24 Voc25 Voc30 Voc		<b>48</b> 54 - - - -	5 16.67 13.33 8.33 7.14 6.66 5.55 4.16	
Rated Currents $\geq 110 V_{AC}, 14 \text{ CFM air flow}$ $12 V_{DC}$ $15 V_{DC}$ $24 V_{DC}$ $28 V_{DC}$ $30 V_{DC}$ $36 V_{DC}$ $48 V_{DC}$ $54 V_{DC}$ See output power de-rating curves below $\geq 110 V_{AC}$ , free air $12 V_{DC}$ $15 V_{DC}$ $24 V_{DC}$ $28 V_{DC}$ $30 V_{DC}$		54 - - - -	5 16.67 13.33 8.33 7.14 6.66 5.55 4.16	
Rated Currents $\geq 110 V_{AC}, 14 \text{ CFM air flow}$ $12 V_{DC}$ $15 V_{DC}$ $15 V_{DC}$ $24 V_{DC}$ $28 V_{DC}$ $30 V_{DC}$ $36 V_{DC}$ $48 V_{DC}$ $54 V_{DC}$ See output power de-rating curves below $\geq 110 V_{AC}$ , free air $12 V_{DC}$ $15 V_{DC}$ $24 V_{DC}$ $28 V_{DC}$ $30 V_{DC}$			<b>16.67</b> 13.33 <b>8.33</b> 7.14 6.66 5.55 <b>4.16</b>	
Rated Currents≥ 110 Vac, 14 CFM air flow12 Vbc15 Vbc24 Vbc28 Vbc30 Vbc36 Vbc48 Vbc54 VbcSee output power de-rating curves below≥ 110 Vac, free air12 Vbc15 Vbc24 Vbc25 Vbc30 Vbc30 Vbc30 Vbc30 Vbc30 Vbc30 Vbc		- -	<b>16.67</b> 13.33 <b>8.33</b> 7.14 6.66 5.55 <b>4.16</b>	
$12 V_{DC}$ $15 V_{DC}$ $24 V_{DC}$ $28 V_{DC}$ $30 V_{DC}$ $36 V_{DC}$ $36 V_{DC}$ $48 V_{DC}$ $54 V_{DC}$ See output power de-rating curves below $\geq 110 V_{AC}, free air$ $12 V_{DC}$ $15 V_{DC}$ $24 V_{DC}$ $28 V_{DC}$ $30 V_{DC}$		- -	13.33 <b>8.33</b> 7.14 6.66 5.55 <b>4.16</b>	A
$15 V_{DC}$ $24 V_{DC}$ $28 V_{DC}$ $30 V_{DC}$ $36 V_{DC}$ $36 V_{DC}$ $48 V_{DC}$ $54 V_{DC}$ See output power de-rating curves below $\geq 110 V_{AC}, free air$ $12 V_{DC}$ $15 V_{DC}$ $24 V_{DC}$ $28 V_{DC}$ $30 V_{DC}$		-	13.33 <b>8.33</b> 7.14 6.66 5.55 <b>4.16</b>	A
28 Voc 30 Voc 36 Voc 36 Voc 48 Voc 54 Voc See output power de-rating curves below ≥ 110 Vac, free air 12 Voc 15 Voc 24 Voc 28 Voc 30 Voc		-	7.14 6.66 5.55 <b>4.16</b>	A
$\begin{array}{c} 30 \ V_{DC} \\ 36 \ V_{DC} \\ 48 \ V_{DC} \\ 54 \ V_{DC} \\ \hline \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ &$	-	-	6.66 5.55 <b>4.16</b>	A
$\begin{array}{c} 36 \ V_{DC} \\ 48 \ V_{DC} \\ 54 \ V_{DC} \\ \hline \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ &$	-	-	5.55 <b>4.16</b>	А
$\begin{array}{c} 48 \ V_{DC} \\ 54 \ V_{DC} \\ \hline \\ See \ output \ power \ de-rating \ curves \ below \\ \geq 110 \ V_{AC}, \ free \ air \\ 12 \ V_{DC} \\ 15 \ V_{DC} \\ \hline \\ 24 \ V_{DC} \\ 28 \ V_{DC} \\ \hline \\ 30 \ V_{DC} \end{array}$	-	-	4.16	
$54 V_{DC}$ See output power de-rating curves below $\geq 110 V_{AC}, free air$ $12 V_{DC}$ $15 V_{DC}$ $24 V_{DC}$ $28 V_{DC}$ $30 V_{DC}$	-	-		
See output power de-rating curves below         ≥ 110 V <sub>AC</sub> , free air         12 V <sub>DC</sub> 15 V <sub>DC</sub> 24 V <sub>DC</sub> 28 V <sub>DC</sub> 30 V <sub>DC</sub>	-	-	3.70	
≥ 110 V <sub>AC</sub> , free air 12 V <sub>DC</sub> 15 V <sub>DC</sub> 24 V <sub>DC</sub> 28 V <sub>DC</sub> 30 V <sub>DC</sub>	-			
<b>12</b> V <sub>DC</sub> 15 V <sub>DC</sub> <b>24</b> V <sub>DC</sub> 28 V <sub>DC</sub> 30 V <sub>DC</sub>	- -	-		
15 V <sub>DC</sub> 24 V <sub>DC</sub> 28 V <sub>DC</sub> 30 V <sub>DC</sub>	-	-		
<b>24 V₀c</b> 28 V₀c 30 V₀c	-		9.17	
28 V <sub>DC</sub> 30 V <sub>DC</sub>	-	-	7.33	
30 V <sub>DC</sub>		-	4.58	
	-	-	3.93	А
3b Voc	-	-	3.67	
	-	-	3.06	
48 V <sub>DC</sub>	-	-	<b>2.29</b> 2.04	
$54 V_{DC}$ See output power de-rating curves below	-	-	2.04	
$\geq$ 110 V <sub>AC</sub> , Conduction (18 x 18 x 2 mm plate)				
$12 V_{DC}$	_	_	14.17	
15 V <sub>DC</sub>	_	_	11.33	
24 V <sub>DC</sub>	_	_	7.08	
28 Vpc	-	-	6.07	
30 V <sub>DC</sub>	-	-	5.67	А
36 Vbc	-	-	4.72	
48 V <sub>DC</sub>	-	-	3.54	
54 V <sub>DC</sub>	-	-	3.15	
See output power de-rating curves below				
90 - 264 V <sub>AC</sub>			10.5	0/1/
Load Regulation 10 – 100 % rated load	-	-	±0.5	%Vout
Line Regulation Full load			±0.2	%Vout
$V_{AC}$ : 90 – 264 $V_{RMS}$	-	-	±0.2	70 V OUT
Transient Response25% load changes at 1 A/μs				
12 V <sub>DC</sub> at 2200 $\mu$ F Load / I <sub>OUT</sub> > 0.5 A	_	_	±5	%Vout
24 $V_{DC}$ at 1000 $\mu$ F Load / I <sub>OUT</sub> > 0.5 A				/00000
48 V <sub>DC</sub> at 560 μF Load / I <sub>OUT</sub> > 0.5 A				
Ripple and Noise12, 15 V <sub>DC</sub>	-	-	150	
24, 28, 30, 36, 48, 54 V <sub>DC</sub>	-	-	200	mV
Peak-to-peak, 20 MHz BW. 100 nF ceramic				
and 10 µF electrolytic caps at the load				0/11
Turn-on Overshoot	-	-	TBV	%V <sub>OUT</sub>
Hold-up Time     At 115 V <sub>IN</sub> , full load, for all models       Minimum Load     All models	10 0	12	-	ms
	U	-	-	A
Maximum Load Capacitance       At nominal V <sub>IN</sub> , 25 °C ambient, max load         12 V <sub>DC</sub> 12 V <sub>DC</sub>			6800	
12 VDC 15 VDC			5360	
24 V <sub>DC</sub>			3440	
24 Vbc 28 Vbc	-	-	3440 3440	μF
30 V <sub>DC</sub>	-	-	3220	μι
36 V <sub>DC</sub>	-	-	2680	
48 V <sub>DC</sub>			2080	
54 V <sub>DC</sub>			1560	
Temperature Drift	-0.05		+0.05	%V/°C





## **PROTECTION FEATURES**

Specification	Test Conditions / Notes	Min.	Nominal	Max.	Units
Input Fuse	Time Lag, 3.15 A, 250 V on L1 and L2	-	5	-	А
Over Current	At nominal input voltages Hiccup mode, auto-recovering	125	145	165	%I1 <sub>MAX</sub>
Short Circuit	At nominal input voltages Hiccup mode, auto-recovering	-	-	-	
Over Voltage	12 V <sub>DC</sub>	-	16	-	
	15 V <sub>DC</sub>	-	20	-	
	24 V <sub>DC</sub>	-	32	-	V
	28 V <sub>DC</sub>	-	35	-	
	30 V <sub>DC</sub>	-	35	-	
	36 V <sub>DC</sub>	-	45	-	
	48 V <sub>DC</sub>	-	55	-	
	54 V <sub>DC</sub>	-	63	-	
	Unit shut down and latch off (AC recycle)				
Over Temperature	Hiccup mode, auto-recovering	-	-	-	
Isolation Primary-to- Secondary Reinforced		4250	-	-	V <sub>AC</sub>
Isolation Input-to-PE	Basic	2000			V <sub>AC</sub>
Isolation Output-to-PE	Basic	2000	-	-	V <sub>AC</sub>

## **ENVIRONMENTAL SPECIFICATIONS**

Specification	Test Conditions / Notes	Min	Nominal	Max	Units
Operating Temperature Range	Ambient temperature	-40	-	80	°C
	Case Temperature (T <sub>c</sub> centre of base plate)	-40	-	90	C
Storage Temperature Range		-40	-	85	°C
Humidity	RH, Non-condensing Operating			93	%
	Non-operating	-	-	95	%
Operating Altitude	OVC II	-	-	5000	m
	OVC III	-	-	3000	
Shock	Meet MIL-STD-810F Table 516.5, Table 516.5-I 10	) ms, each ax	is (±X, ±Y, ±Z), 3 t	imes	
Vibration	Meet MIL-STD-810F Table 514.5C-VIII, 15÷2000 Hz, X-Y-Z axis, 1 hour each, total 3 l				
MTBF	Full Load, 115 V <sub>AC</sub> , 25 °C ambient GB, MIL-HDBK-217F	450	-	-	K hours
Useful Life	Within nominal input voltage range, 75% rated load, 40 °C ambient, 100% duty	26	-	-	K hours
Thermal Considerations	The output power derating curves relevant to forced and free air cooling are herein provided. These curves can be used as a guideline to assess the limit in performance of a power supply once installed in a system providing controlled air flow at a certain input voltage and ambient temperature. Conduction cooling installation thermal performance should be verified and assessed physically in any specific case.				



# ELECTROMAGNETIC COMPATIBILITY (EMC) – EMISSIONS

Phenomenon	Conditions / Notes	Standard	Equipment Performance Class
Conducted	115 $V_{RMS}$ , 230 $V_{RMS}$ . Maximum load.	EN 55032 (ITE) 47 CFR FCC Part 15 EN 55011 (IMS)	В
Radiated		EN 55032 (ITE) 47 CFR FCC Part 15 EN 55011 (IMS)	В
Line Voltage Fluctuation and Flicker	At 2 0%, 50 % and 100 % maximum load. Nominal input voltages.	EN 61000-3-3	А
Harmonic Current Emission	At nominal input voltages	EN 61000-3-2	A, C, D

# **ELECTROMAGNETIC COMPATIBILITY EMC) – IMMUNITY**

Phenomenon	Conditions / Notes	Standard	Test Level	Performance criteria
	Reference standard for IT equipment: I	EN 55035, EN 61000-6-	2, EN 61204-3	
ESD	8 kV air discharge, 4 kV contact, at any point of the system.	EN 61000-4-2	3	А
Radiated Field	10 V/m, 80-1000 MHz, 1 KHz 80% AM	EN 61000-4-3	3	А
Electric Fast Transient	±2 kV on AC power port for 1 minute; ±1 kV on signal/control lines	EN 61000-4-4	3	А
Surge	± 2 kV line to line; ± 4 KV line to earth; on AC power port	EN 61000-4-5	3	A A
Conducted RF Immunity	10 V <sub>RMS</sub> , 0,15-80 MHz, 1 KHz, 80 % AM	EN 61000-4-6	3	А
Dips and Interruptions	100 – 240 V <sub>AC</sub> 30% Dip, 10 ms 60% Dip, 100 ms >95% Dip, 5000 5s Interrupts > 95 % for 5 s	EN61000-4-11 EN61000-4-11 EN61000-4-11 EN61000-4-11		A A A B

## **SAFETY AGENCIES APPROVALS**

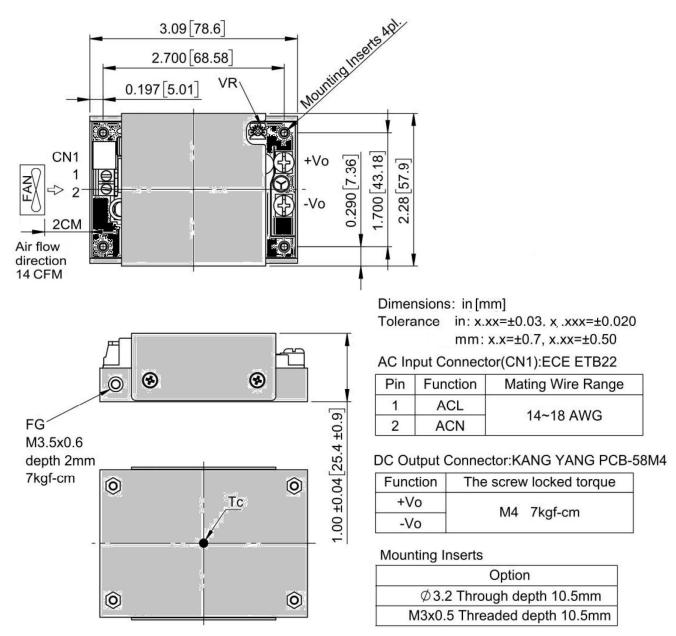
<b>Certification Body</b>	Safety Standards and file numbers	Category
CSA/UL	UL 63268-1	Audio Video and Information
	01 03208-1	Technology Equipment
IEC IECEE	IEC/EN 62368-1	Audio Video and Information
CB Certification		Technology Equipment
CE	Directive 2014/35/EU: Electrical Safety: Low Voltage electrical	Audio Video and Information
	_equipment (LVD)	Technology Equipment
	Directive 2014/30/EU: Electromagnetic Compatibility (EMC)	
	Directive EU 2015/863 (RoHS 3)	



# **OUTLINE DRAWING AND CONNECTIONS**

Overall dimensions: 57.9 x 78.6 x 25.4 mm (2.28 x 3.09 x 1.00 in)

Weight: 195 g (0.43 lb)



Specifications appearing in ENEDO's catalogues and brochures as well as any oral statements are not binding. All descriptions, drawings and other particulars (including dimensions, materials and performance data) given by ENEDO are as accurate as possible but, being given for general information, and are not binding on ENEDO. ENEDO makes thus no representation or warranty as to the accuracy of such material. We assume no liability other than as agreed in the terms of the individual contracts and we reserve the right to make technical modifications in the course of our product development. Our product information solely describes our goods and services and is in no way to be construed or interpreted as a quality or condition guarantee. The aforesaid shall not relieve the customer of its obligation to verify the suitability for ur Products for their products and applications. ENEDO assumes no liability from the use of its products outside of specifications. No license is granted to any intellectual property rights by this document.



# **REVISION HISTORY**

Date	Originator	Comments
May 7 <sup>th</sup> , 2024	M. Petritoli	First release
July 25 <sup>th</sup> , 2024	M. Petritoli	<ul> <li>IEC safety installation Class II removed</li> <li>15, 28, 30, 36 and 54 V variants included together with relevant specifications</li> <li>No load power consumption specified for 48, 54 V variants</li> <li>Immunity std updated to EN 55035 (replacing EN 55024)</li> <li>Immunity against ESD level changed</li> </ul>
Oct 24 <sup>th</sup> , 2024	D. Azzeruoli	<ul> <li>Head description change</li> <li>Input minimum voltage updated to 85 V</li> <li>Main Feature and Description chapters updated</li> <li>V<sub>OUT</sub> adjustment range amended to ±5%</li> </ul>
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	May 7 <sup>th</sup> , 2024 July 25 <sup>th</sup> , 2024	May 7 <sup>th</sup> , 2024 M. Petritoli July 25 <sup>th</sup> , 2024 M. Petritoli