

LS200 SERIES

AC / DC Single Output: 200 Watts



Features

- Universal input 85 - 264VAC
- 200 watts output power
- Low cost solution for industrial applications.
- Output voltage adjustment
- Short circuit and OVP protection
- Harmonic correction EN61000-3-2
- Power Factor 0.95
- EMC EN55022-B
- Immunity to EN61000-4
- International safety approvals EN60950, UL60950
- DC OK Led
- Remote ON/OFF

General Specifications

Input Voltage	85 ~ 264VAC (120 ~ 370VDC)
Input Current	3.5 ~ 1.7A @ 115 ~ 230VAC
Power Factor	0.98 ~ 0.95 @ 115 ~ 230VAC
Harmonics	EN61000-3-2
Output Power	200 watts
Efficiency	Model dependent: 67 ~ 85%
Output Voltage	See table
Ripple & Noise	Model dependent: 80 ~200mV (3.3V ~ 48V)
Line Regulation	Model dependent: 20 ~192mV (3.3V ~ 48V)
Load Regulation	Model dependent: 40 ~384mV (3.3V ~ 48V)
Temp Co-Eff.	0.02% per °C
Overload Protection	Constant current limiting, with auto recovery
Overvoltage Protection	OVP will shutdown unit. Recycle AC power after 30 seconds to restart.
Over temperature Protection	OTP will shutdown unit. Recycle AC power after 30 seconds to restart
Remote ON/OFF	3~12vdc Power OFF . <0~ 0.8vdc Power ON
Hold-Up time	Typically 20ms
Parallel Operation	NO
Operating Temp.	-25°C to +50°C @ 100% load, +70°C @ 60% load. Refer to manual for mounting methods.
Humidity	10 ~ 90% RH no dewdrop
Cooling	Forced air by internal fan
Isolation	Input – Output: 3000VAC Input – Case: 2000VAC Output – Case: 500VAC
Safety	Approvals: UL60950-1, EN60950-1, EN50178
EMI	EN55011 / EN55022 – B
Immunity	EN61000-4-2, -3, -4, -5, -6, -8, -11.
Dimensions	210 x 98 x 41mm 700g (Includes terminals)

Description

The **LS200** series power supply, is a new generation design, aimed at providing a low cost solution for a variety of industrial applications.

At the same time reliability is not compromised and comes with all the protection features expected from a power supply and compliance to the latest international Safety, EMC and Immunity standards.

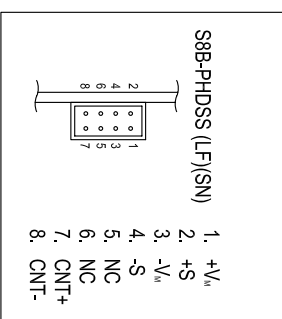
The wide output voltage adjustment and Constant Current limiting, allows the LS200 to be used in peak current demand applications.

Model	Output V	Output A	Voltage Range	Power W
LS200-3.3	3.3V	40A	3.0 ~3.6V	132W
LS200-5	5.0V	40A	4.7 ~ 5.5V	200W
LS200-7.5	7.5V	26.7A	6.8~8.2V	200W
LS200-12	12V	16.7A	10.8 ~14.4V	200W
LS200-15	15V	13.4A	13.5 ~16.5V	200W
LS200-24	24V	8.4A	22.0~ 28.8V	200W
LS200-36	36V	5.6A	32.0~40V	200W
LS200-48	48V	4.2A	42.0 ~ 57.6V	200W

- LS200-24 & LS200-36 Peak Output power 250W

D	REV	CONTENTS	DATE	ENGR	CHK	APPD
-	-1	NEW RELEASE				

SIGNAL CONNECTOR INFORMATION



SIGNAL CONNECTOR USED

PART DESCRIPTION	PART NAME	MANUFACT
PIN HEADER	S10B-PHDSS(LF)(SN) (CN2)	JST

MATCHING HOUSINGS, PIN & TOOL

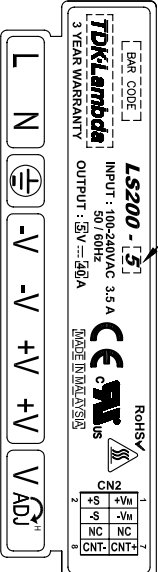
PART DESCRIPTION	PART NAME	MANUFACT
SOCKET HOUSING	PHDR-10VS (CN2)	JST
TERMINAL PINS	SPHD-002T-P05(AWG28-24) SPHD-001T-P05(AWG26-22)	JST
HAND CRIMPING TOOL	YRS-620(SPHD-002T-P0.5) YC-610R(SPHD-001T-P0.5)	JST

==ACCESSORIES==

* SHORT PIECE -----1
SHORTING +V_i - +S, -V_i - -S, CNT+ -CNT-
(ATTACHED ON CN2 AT SHIPMENT)

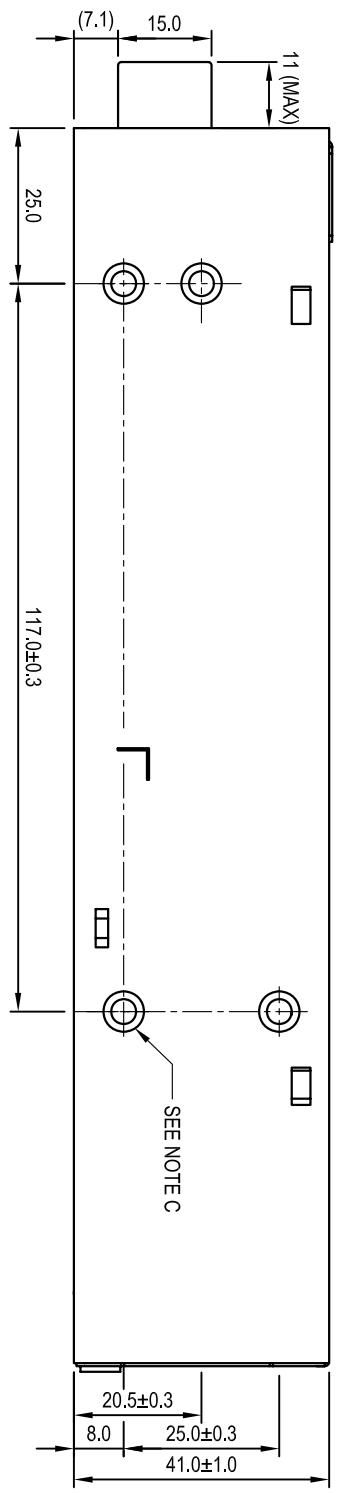
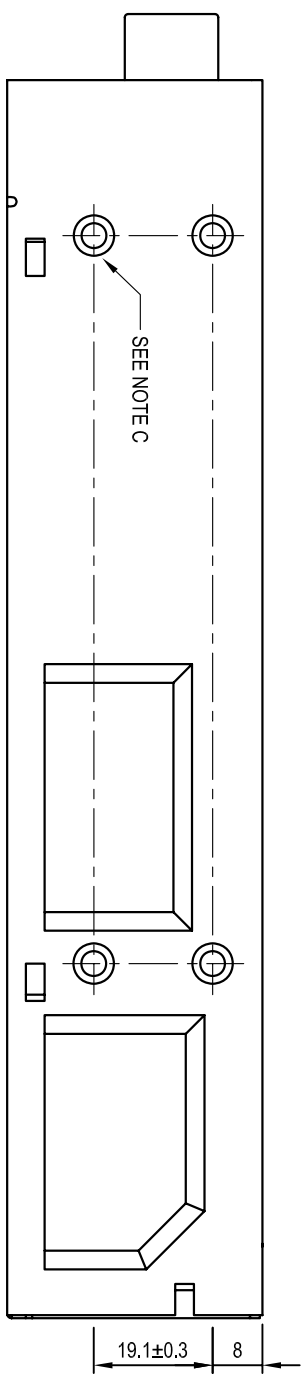
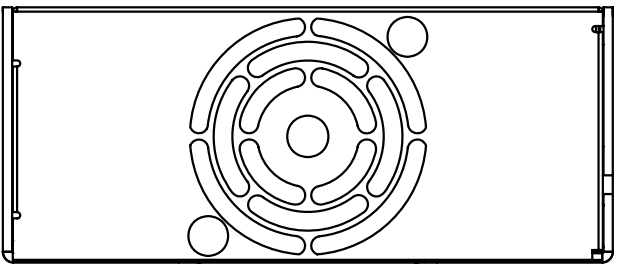
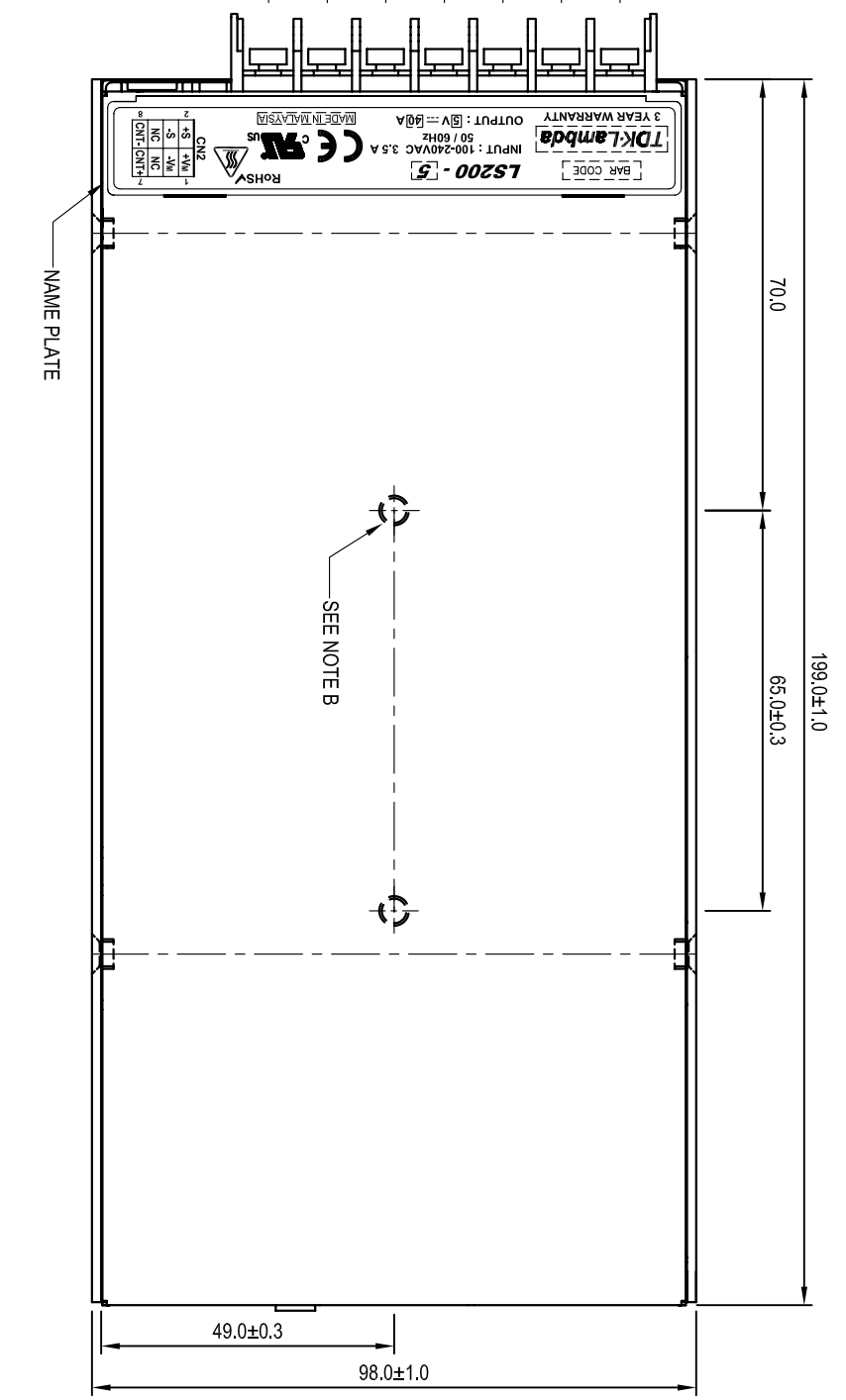
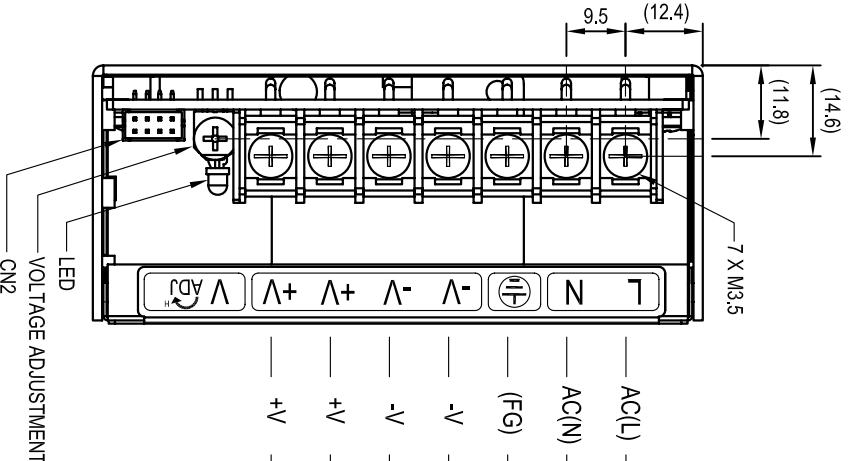
NAME PLATE

SEE NOTE A



NOTES

- A. MODEL NAME NOMINAL OUTPUT VOLTAGE AND MAXIMUM OUTPUT CURRENT ARE SHOWN IN THE NAME PLATE IN ACCORDANCE WITH THE SPECIFICATION.
- B. M4 COUNTERSUNK & EMBOSSED HOLES (2) FOR CUSTOMER CHASSIS MOUNTING SCREW MUST NOT PROTRUDE INTO POWER SUPPLY BY MORE THAN 5mm.
- C. M4 COUNTERSUNK & EMBOSSED HOLES (8) FOR CUSTOMER CHASSIS MOUNTING SCREW MUST NOT PROTRUDE INTO POWER SUPPLY BY MORE THAN 6mm.



APPD	SCALE	4/5	MATERIALS	TITLE	LS200
CHK	UNITS	mm	FINISH	OUTLINE DRAWING	
ENGR	ANGLE	3RD ANGLE PROJECTION		DRAWING No.	PA607-02-01
				PAGE	1/1
TDK-Lambda					