

# 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

## Specifications

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

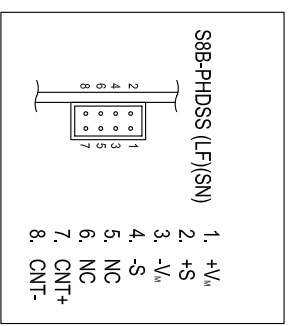
- **More details & Manual available from our website**

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

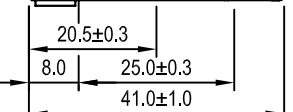
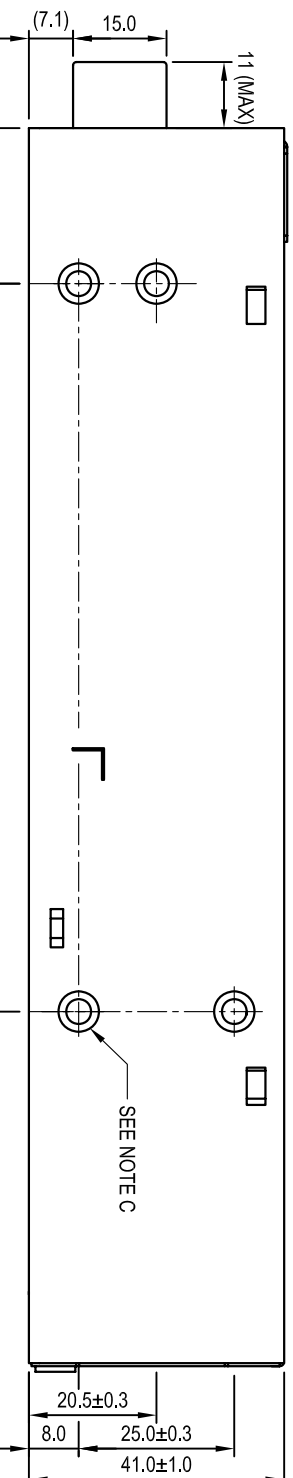
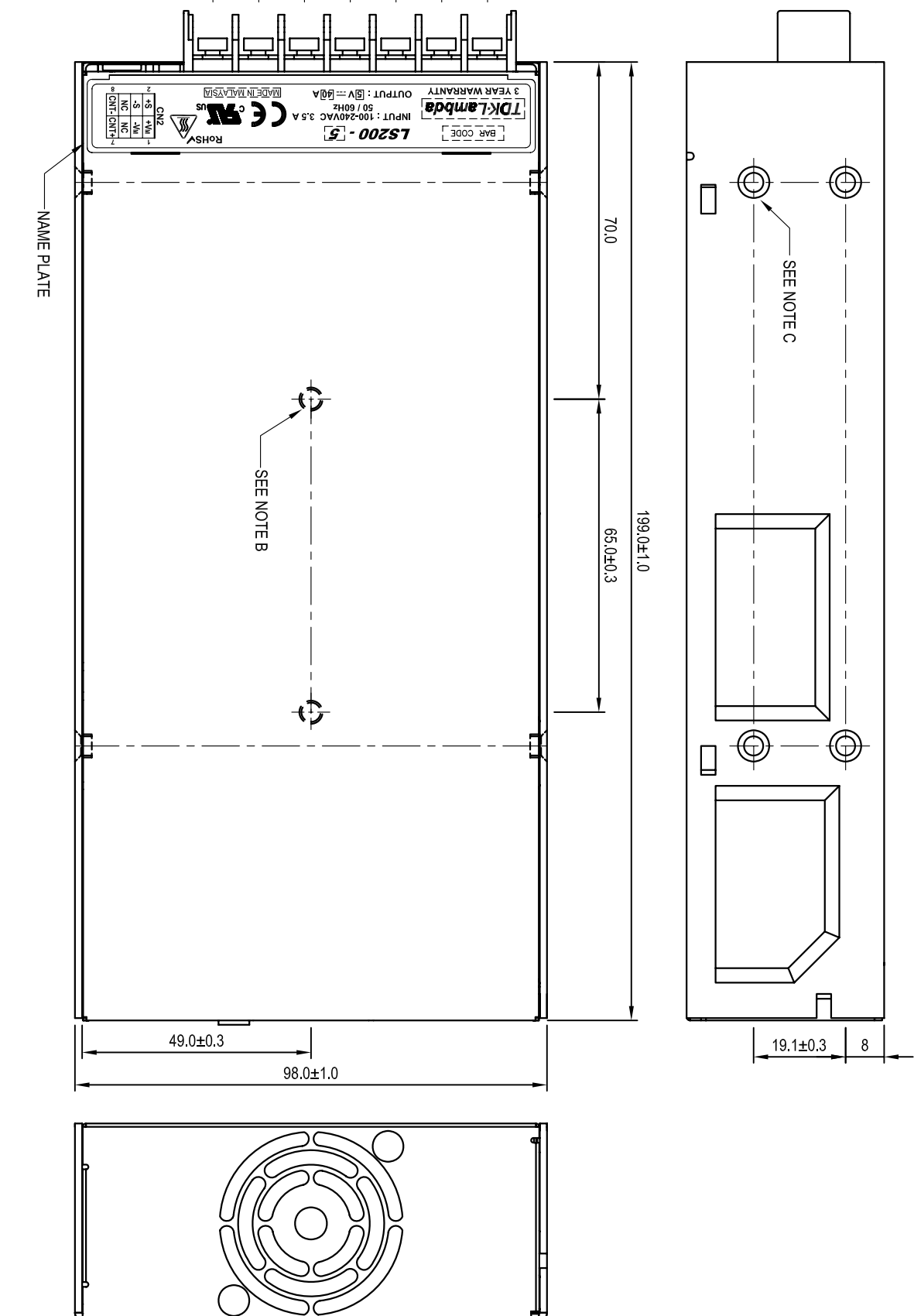
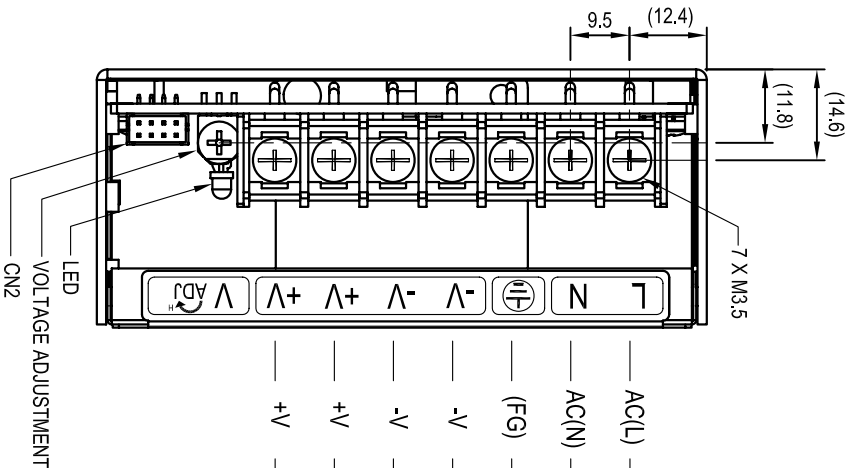
PART DESCRIPTION	PART NAME	MANUFACT
SOCKET HOUSING	PHDR-10VS (CN2)	JST
TERMINAL PINS	SPHD-002T-P05(AWG28-24) SPHD-001T-P05(AWG26-22)	JST
HAND CRIMPING TOOL	YRS-620(SPHD-002T-P0.5) YC-610R(SPHD-001T-P0.5)	JST

==ACCESSORIES==

\* SHORT PIECE -----1  
SHORTING +V<sub>in</sub> - +S, -V<sub>in</sub> -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
<b>TDK-Lambda</b>					