

# PLEC-100D035ST

100W 350mA Constant Current LED power supply



Case No: 8050AU  
198 x 67.5 x 36.5 mm

## Features

- Wide range input
- High efficiency up to 91%
- Two channels output
- Active power factor correction (Typical 0.99)
- Constant current operation
- Lightning protection
- Waterproof (IP67 Rated)
- Protections: Short circuit/Over voltage/Over temperature
- Complies with UL8750 & EN61347 safety regulations



## Specification

INPUT	<b>Voltage</b>	90V ~ 305VAC universal full range
	<b>Frequency</b>	47 ----- 63 Hz
	<b>Current</b>	<1.2A@100V, 0.6A@220VAC input, full load
	<b>Inrush Current</b>	<50A@230VAC input, Cold start at 25°C ambient
	<b>Leakage Current</b>	<1.0mA@277VAC 60Hz input
<b>MODEL No. PLEC-100D035ST</b>		
OUTPUT	<b>Output Voltage Range</b>	90~305VDC
	<b>Output Current</b>	350mA
	<b>Line Regulation</b>	± 1%
	<b>Load Regulation</b>	± 3%
	<b>Efficiency (TYP.)</b>	91%
	<b>Power Factor (110VAC)</b>	0.99
	<b>Power Factor (220VAC)</b>	0.96
	<b>Power</b>	100W
PROTECTION	<b>Over Voltage</b>	180V
		Latch mode
	<b>Short Circuit</b>	No damage shall occur when any output operating in a short circuit condition. The power supply will recover automatically after fault is removed
	<b>Over Temperature</b>	When the case temperature is higher than 110°C, the power supply will go into latch mode
ELEC. CHAR.	<b>Turn-on Delay Time</b>	0.6S measured at 110VAC input; 0.6S measured at 220VAC input
	<b>Output over/undershoot</b>	10% when power on/off
ENVIRONMENT	<b>Temperature</b>	Operating: -35 ~ +70°C; Storage: -40~ +85°C
	<b>Humidity</b>	Operating: 10% ~ 100% RH; Storage: 5% ~ 100% RH (non condensing)
SAFETY	<b>Safety Standard</b>	UL8750, UL1012, UL935 Approved
EMC	<b>EMI</b>	Compliance to EN61347-1, EN61347-2-13, EN55015, EN61000-3-2, EN61000-3-3
	<b>EMS</b>	EN61000-4-2,3,4,5,6,8,11
OTHERS	<b>Cooling</b>	Natural cooling
	<b>M.T.B.F.</b>	50K hours
	<b>Packing</b>	1000g

