

## LED Lighting – 300W High Power Supply with PWM switch design

### DESCRIPTION

The NSP-VB300 series of products are suitable for LED lighting products and also have many other usages. The PWM switch design has high reliability in performance and efficiency. The NSP-VB300 Constant Voltage power supplies are designed to comply with new CE requirements and meet industry standard mechanical foot prints. All models meet EN55022 (CISPR-22) Class B Emission Limits and are approved IP68 Approved and new CE requirements. All units are 100% burned-in and tested.



### Features

- Fully isolated plastic case with IP68 level (Indoor/Outdoor use)
- Constant Voltage
- Protections: Short circuit / Overload / Over voltage (recover automatically)
- Over Thermal Protection, Thunder proof Protection (recover automatically)
- Completely air proof, achieve waterproof rate IP 68.
- Dimming function : PWM controlled
- Cooling by free air convection
- Suitable for economical LED lighting and moving sign applications
- Output Over Shoot: 10% Max
- 1 year warranty
- Dimensions: 260 x 132 x 65mm
- Low Cost

Specification	
AC input voltage range	90~130VAC (170-250VAC Input also available)
AC inrush current	Cold start, 80A at 110VAC
DC adjustment range	±10% rated output voltage
Overload protection	95~130% constant current limiting, auto-recovery
Over voltage protection	115~135% rated output voltage
Withstand voltage	I/P-O/P: 3KVAC
Working temperature	-20~+70°C
Safety standards	CE, RoHS, IP68
EMC standards	EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, ENV50204

## OUTPUT VOLTAGE AND CURRENT RANGE

Model No.	Adj. Output Voltage	Adj. Output Current	Total Regulation	Efficiency	Safety
> NSP-VB300-12300T	12VDC	25A	±5%	80%	Consult factory for safety approvals
> NSP-VB300-24300T	24VDC	12.5A	±5%	85%	Consult factory for safety approvals