

SWS600 SERIES

AC / DC Single Output: 600 Watts



Specifications

Input Voltage	85 ~ 264VAC (120 ~ 370VDC)
Input Current	7.2A / 3.6A @ 115 / 230VAC
Power Factor	0.99 ~ 0.95 @ 115 ~ 230VAC
Harmonics	EN61000-3-2
Output Power	600 watts
Efficiency	Model dependent: 69 ~ 85%
Output Voltage	See table
Ripple & Noise	Model dependent: 40 ~240mV (3.3V ~ 48V)
Line Regulation	Model dependent: 20 ~96mV (3.3V ~ 48V)
Load Regulation	Model dependent: 40 ~240mV (3.3V ~ 48V)
Temp Co-efficient	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
Hold-Up time	Typically 20ms
Parallel Operation	YES
Operating Temp.	-10°C to +50°C @ 100% load, +65°C @ 50% load. Refer to manual for derating
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	216 x 120 x 92mm 2g (Includes terminals)

Features

- Universal input 85 - 265VAC
- 600 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
- Suitable for use as Battery Charger

Description

The **SWS600** series power supply, is a mature 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 SWS600 to be used in battery charging applications, providing a very cost effective solution.

- **Instruction Manual and application notes available from our website.**

Model	Output V	Output A	Voltage Range	Power W
SWS600-3	3.3V	100A	2.9 ~3.9V	330W
SWS600-5	5.0V	100A	4.5 ~ 6.0V	500W
SWS600-12	12V	50A	9.6 ~13.2V	600W
SWS600-15	15V	40A	13.2 ~18.6V	600W
SWS600-24	24V	25A	20.0~ 28.8V	600W
SWS600-36	36V	16.7A	28.8~40V	600W
SWS600-48	48V	12.5A	40.0 ~ 57.6V	600W

