



Features

- Universal Input Voltage
- Single Output (12V,15V,24V)
- Protected against over-temperature, output over voltage & short-circuit
- Din Rail
- IEC Input Socket
- 3 year warranty



SPECIFICATIONS

MODEL		X60S12D-I	X60S15D-I	X60S24D-I
INPUT	INPUT VOLTAGE RANGE	90 – 264V AC		
	CURRENT (115V AC – 230V AC)	1.0 – 0.7A		
	INRUSH CURRENT	$\leq 7A \leq 5mS$		
	INTERNAL FUSE	4A (T)		
	EXTERNAL FUSE	6A recommended		
	FREQUENCY	47 – 63 Hz $\pm 6\%$		
OUTPUT	TOTAL OUTPUT POWER	36 – 72W (determined by nominal Input voltage and Ambient temperature)		
	VOLTAGE FACTORY SETTING ($\pm 3\%$)	12V DC	15VDC	24V DC
	ADJUSTMENT RANGE	10 – 15.5V DC	10 – 15.5V DC	22 – 27V DC
	TURN ON DELAY (max)	1s	1s	1.5s
	Continuous current < 40°C (In)	4.0A(115) – 6.0A(230)	3.2A(115) – 4.8A(230)	2.0A(115) – 3.0A(230)
	Continuous current < 50°C (In)	3.0A(115) – 5.0A(230)	2.4A(115) – 4.0A(230)	1.5A(115) – 2.5A(230)
	Continuous current < 60°C (In)	2.0A(115) – 3.0A(230)	1.6A(115) – 2.4A(230)	N/A
	Power Boost Current (50°C In)	7.0A $\leq 3min$	5.6A $\leq 3min$	3.5A $\leq 3min$
	Short Circuit current (I _{cc})	10.0A	9.2A	7.0A
	START UP (with capacitive load)	$\leq 50.000\mu F$		
	EFFICIENCY	$\geq 88\%$		
	Current Max Overload –4V DC (Permanent)	$I_{max} = I_n 50^\circ C \times (1.8 - 2.2)$		
	HOLD-UP Time (@min.Vac)	Typ. 20mS		
	RESIDUAL RIPPLE	$\leq 80 mVpp$		
	DISSIPATION Power	6 W		
ENVIRONMENT	AMBIENT TEMP OPERATION	-25 to +70°C		
	Temp De RATING	$>60^\circ = 2.5\% \text{ per } ^\circ C$	$>60^\circ = 5\% \text{ per } ^\circ C$	$>50^\circ = 10\% \text{ per } ^\circ C$
	AMBIENT TEMP STORAGE	-40 to +85°C		
	HUMIDITY AT 25 °C (no condensation)	95% to 25 °C		
OTHER	ISOLATION Voltage (In/Out)	3000V AC		
	ISOLATION Voltage (In/PE)	1605V AC		
	ISOLATION Voltage (Out/PE)	500V AC		
	CLASS (EN/IEC 60529)	IP 20		
	RELIABILITY (MTBF IEC 61709)	$>500,000 h$		
	POLLUTION DEGREE ENV	2		
DIMENSIONS	CLASS (WITH PE Connected)	I		
	Metric: W x H x D (mm)	50 x 120 x 50mm (when DIN rail mounted)		
CONNECTIONS	Weight	~0.30 Kg		
	OUTPUT	Via 2.5mm Screw Type terminal block (24 – 14 AWG)		
	INPUT	IEC (2.5mm Screw Type terminal also available, 24 – 14 AWG)		