

Technical Data

Power supply 24V/4A



- Article number
8366.USV1

Power supply 24V/4A

OUTPUT	
DC VOLTAGE	24V
RATED CURRENT	4.2A
CURRENT RANGE	0 ~ 4.2A
RATED POWER	100.8W
RIPPLE & NOISE (max.)	150mVp-p
VOLTAGE ADJ. RANGE	24 ~ 29V
VOLTAGE TOLERANCE	±1.0%
LINE REGULATION	±1.0%
LOAD REGULATION	±1.0%
SETUP, RISE TIME	2700ms, 80ms/230VAC 2700ms, 80ms/115VAC at full load
HOLD UP TIME (Typ.)	50ms/230VAC 18ms/115VAC at full load

INPUT	
VOLTAGE RANGE	88 ~ 264VAC 124 ~ 370VDC [DC input operation possible by connecting AC/L(+),AC/N(-)]
FREQUENCY RANGE	47 ~ 63Hz
EFFICIENCY (Typ.)	89%
AC CURRENT (Typ.)	3A/115VAC 1.6A/230VAC
INRUSH CURRENT (Typ.)	COLD START 30A/115VAC 45A/230VAC

PROTECTION

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OVERLOAD	105 ~ 135% rated output power; Protection type: Constant current limiting, recovers automatically after fault condition is removed
OVER VOLTAGE	30 ~ 35V; Protection type: Shut down o/p voltage, re-power on to recover
OVER TEMPERATURE	Shut down o/p voltage, re-power on to recover

ENVIRONMENT

WORKING TEMP.	-20 ~ +60°C (refer to "Derating Curve")
WORKING HUMIDITY	20 ~ 90% RH non-condensing
STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH
TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50 °C)
VIBRATION	Component: 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6

SAFETY & EMC

SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved, design refer to EN50178
WITHSTAND VOLTAGE	I/P-O/P:3KVAC
ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH
EMC EMISSION	Compliance to EN61204-3, EN55032 Class B, EN61000-3-2,-3
EMC IMMUNITY	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, EN55024, EN61000-6-2, EN61204-3, heavy industry level, criteria A

OTHERS

MTBF	486K hrs min. MIL-HDBK-217F (25°C)
DIMENSION	100*93*56mm (W*H*D)
PACKING	0.35Kg; 36pcs/13.6Kg/0.89CUFT