

## Korenix Industrial Product Selection Guide - Industrial Power Supply



- 3 pole AC inlet IEC320-C14
- Class I power (with earth pin)
- Full output 12~48V safety approval
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- Fix switching frequency and regulation
- Topology: PWM 3882 circuit
- With power ON/OFF switch(option)
- LED indicator for power on
- Approvals: UL / CUL / TUV / CB / CE
- 2 years warranty

### SPECIFICATION

ORDER NO.		U65S111-P2J
OUTPUT	SAFETY MODEL NO.	SPU65-111
	DC VOLTAGE <span style="float: right;">Note.2</span>	48V
	RATED CURRENT	1.66A
	CURRENT RANGE	0 ~ 1.66A
	RATED POWER	80W
	RIPPLE & NOISE (max.) <span style="float: right;">Note.3</span>	240mVp-p
	VOLTAGE ADJ. RANGE	Fixed
	VOLTAGE TOLERANCE <span style="float: right;">Note.4</span>	±2.0%
	LINE REGULATION <span style="float: right;">Note.5</span>	±0.5%
	LOAD REGULATION <span style="float: right;">Note.6</span>	±1.0%
SETUP, RISE, HOLD UP TIME		800ms, 50ms, 16ms at full load
INPUT	VOLTAGE RANGE	95 ~ 264VAC 140 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz
	EFFICIENCY (Typ.)	81%
	AC CURRENT	1.9A / 100VAC
	INRUSH CURRENT (max.)	40A / 230VAC
LEAKAGE CURRENT (max.)		0.75mA / 240VAC
PROTECTION	OVERLOAD	110 ~ 160% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed
	OVER VOLTAGE	110 ~ 140% rated output voltage Protection type : Shut down o/p voltage, re-power on to recover
ENVIRONMENT	WORKING TEMP.	0 ~ + 40 °C (Refer to output load derating curve)
	WORKING HUMIDITY	20% ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-20 ~ +85 °C, 10 ~ 95% RH
	TEMP. COEFFICIENT	±0.03% / °C (0 ~ 50 °C)
VIBRATION		10 ~ 500Hz, 2G 3AXES 10min./1cycle, period for 60min. each along X, Y, Z axes
SAFETY & EMC (Note. 7)	SAFETY STANDARDS	UL1950, EN60950-1 approved
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC , I/P-FG:1.5KVAC
	ISOLATION RESISTANCE	I/P-O/P,I/P-FG:100M Ohms / 500VDC / 25 °C / 70% RH
	EMI CONDUCTION & RADIATION	Compliance to EN55022(CISPR22) class B
	HARMONIC CURRENT	Compliance to EN61000-3-2,3
EMS IMMUNITY		Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A
OTHERS	MTBF	100K hrs min. MIL-HDBK-217F (25 °C)
	DIMENSION	168*78.5*44.5mm (L*W*H)
	PACKING	0.75kg; 25pcs / 19kg / CARTON
CONNECTOR	PLUG	Standard type P2J: 2.1φ * 5.5φ * 11mm, center positive for stock ; Other type available by customer requested
	CABLE	SPT-2 16AWG 6FT for 12V; SPT-1 18AWG 6FT for 15 ~ 48V; Other type available by customer requested
NOTE		
<p>1.All parameters are specified at 230VAC input, rated load, 25 °C 70% RH Ambient.                  2.DC voltage: The output voltage set at point measure by plug terminal &amp; 50% load.                  3.Ripple &amp; noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf &amp; 47uf capacitor.                  4.Tolerance: includes set up tolerance, line regulation, load regulation.                  5.Line regulation is measured from low line to high line at rated load.                  6.Load regulation is measured from 0% to 100% rated load.                  7.The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.</p>		