## **VOLKTEK**

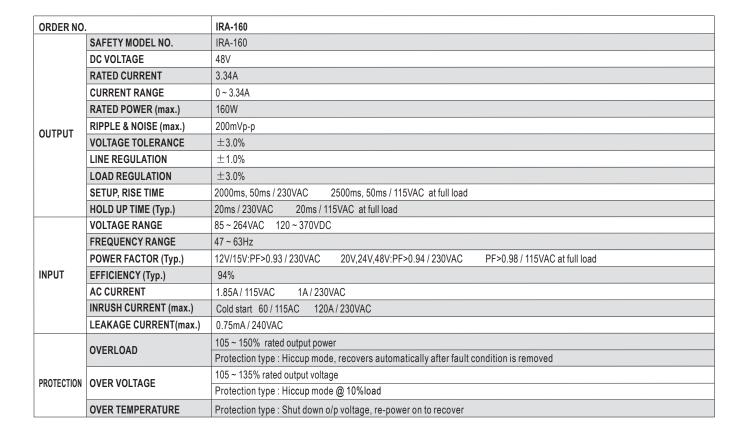
## **IRA-160**

### 160WAC-DC High Reliability Industrial Adaptor

#### **Features**

- Universal AC input / Full range
- 3 pole IE320-C14 AC inlet
- Built-in PFC (power factor controller)
- No load power consumption < 0.15W
- Energy efficiency Level VI
- Compliant with EISA 2007/DoE, NRCan, AU/NZ MEPS, EU ErP, and CoC Version 5
- Class I power (with earth pin)
- Short circuit, overload, over voltage, and over temperature protection
- Enclosed in plastic case
- Fanless with -30 to 70 °C working temperature
- LED power-on indicator
- 3 years warranty

#### **Specifications**





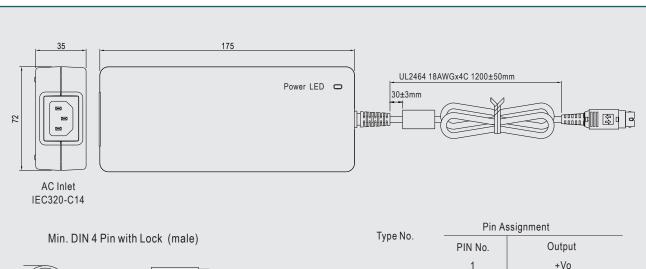


# log

#### **Specifications**

ENVIRONMENT	WORKING TEMP.	$-30 \sim +70$ °C (Refer to "Derating Curve")		
	WORKING HUMIDITY	20% ~ 90% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-20 ~ +85 °C , 10 ~ 95% RH non-condensing		
	TEMP. COEFFICIENT	±0.03% /°C (0~50°C )		
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes		
SAFETY & E M C		EN55032(CISPR32),FCC PART 15 / CISPR22 CAN ICES-3(B)/NMB-3(B), CNS13438, GB17625.1 EAC TP TC 020, MSIP KN32 EN61000-3-2 GB9254, EN61000-3-3, EN61000-4-2, 3, 4, 5, 6, 8, 11		
	WITHSTAND VOLTAGE	I/P-O/P: 3KVAC I/P-FG: 2KVAC O/P-FG:SHORT		
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH		
OTHERS	MTBF	236.4K hrs min. MIL-HDBK-217F( $25^{\circ}$ C)		
	DIMENSION	175*72*35mm (L*W*H)		
	PACKING	0.66Kg; 20pcs/ 14.2Kg/ 1.06CUFT		
CONNECTOR	PLUG	See page 4~5; Other type available by customer requested		
	CABLE	See page 4~5; Other type available by customer requested		
NOTE	<ol> <li>All parameters are specified at 230VAC input, rated load, 25°C 70% RH ambient.</li> <li>DC voltage: The output voltage set at point measure by plug terminal &amp; 50% load.</li> <li>Ripple &amp; noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1μf &amp; 47μf capacitor.</li> <li>Tolerance: includes set up tolerance, line regulation, load regulation.</li> <li>Line regulation is measured from low line to high line at rated load.</li> <li>Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.</li> </ol>			

#### **Dimension**





Type No.	PIN No.	Output
	1	+Vo
R7B	2	-Vo
I(I B	3	-Vo
	4	+Vo

**Static Characteristics** 

#### **Derating Curve**

