

## ARDV-12048D (12V, 4A, 48W)



items	Specification				
<b>1.INPUT</b>					
1.1 Rated input voltage	AC100-240V				
1.2 Variable input voltage	AC90-264V				
1.3 Input voltage frequency	50/60Hz				
1.4 Variable input voltage frequency	47-63Hz				
1.5 Input current	1A max when input rated voltage and output rated load				
1.6 Efficiency	60A mps Max. Cold start at 240Vac input, with rated load and 25°C ambient.				
1.7 power consumption without load	0.25mA Max. at 240Vac input				
<b>2.OUTPUT</b>					
2.1 Rated Output Power	48W				
2.2 The Maximum Load Current	When the input 100Vac, the maximum load current is less than or equal to 8A				
2.3 Combined Load/line Regulation	Voltage	Min.Load	Rating Load	Load Regulation	Unload output voltage
	+12V	0A	4A	11.5-12.5V	11.5-12.5V
2.4 Efficiency	78%Min.at 100Vac input and output rated .Load.				
	80% Min.at240Vac input and output rated. Load.				
2.5 Unload standby Power	0.5W Max				
2.6 Ripple And Noise	Under Rated voltage and nominal load ,The ripple and noise are as follows when measure with Max Bandwidth of 20MHz and parallel 10UF/0.1UF, crossed connected at testing point.				
	Voltage	Current		Ripple and Noise (Max)	
	+12V	4A		300m Vp-p	
2.7 Turn On Delay Time	3 seconds Max .At 100Vac input and output Max. Load				
2.8 Rise Time	100ms Max. At 100Vac input and output Max. Load				
2.9 Hold Up Time	5ms Min.at100Vac input and output Max .Load.				
<b>3. PROTECTION</b>					
3.1 Short circuit protection	The Power Supply will be auto recovered when short circuit faults remove.				
3.2 Over current Protection	The power supply will be auto recovered when over current faults remove.				
3.3 DC Over voltage Protection	The power supply will be protection when Over output voltage.				
<b>4. ENVIRONMENTAL REQUIREMENTS</b>					
4.1 working temperature	0°C to +35°C ,Full Load, Normal Operation.				
4.2 Storage temperature	With enclosure:-10°C to+55°C				
4.3 Relative Humidity	5%(0°C)~90%(40°C) 72h Full Load , Normal operating				
<b>4.4 Vibration</b>					
4.4.1 Operating: IEC 721-3-3 3M3	5~9Hz,A=1.5mm				
	9~200Hz,Acceleration 5m/s				

4.4.2 Transportation	IEC 721-3-2 2M2
	5~9Hz, A=3.5mm
	9~200Hz , Acceleration=5 m/s <sup>2</sup>
	200~500Hz , acceleration=15 m/s <sup>2</sup>
4.4.3 Axes,10 cycles per axis	No permanent damage occur during testing.
	The product has to restore to its original situation after power off/on
<b>5. MECHANICAL CHARACTERISTICS</b>	
5.1 Dropping Testing	The product to be dropped from 1 meter height to a concrete floor no breakage
5.2 Cable Flexing Testing	The DC cord shall with weight of 200g,it swings at angle 60 deg ,2000cycle Time min Bending speed: 40cycle per minute shall to be no breakage to the code
<b>6. SAFETY STANDARD</b>	
6.1 Dielectric strength Hi-Pot	Primary to secondary
	Primary to Case ,500Vac/5mA/60s
6.2 Insulation resistance	Primary to secondary :4MΩ Min at 500V DC