



300W AC-DC Power Adapter

DS300-W Series

8-56V



Model NO.:

DC Output:

8.0-9.0V, 0.01-20.00A Max.; 9.1-10.0V, 0.01-20.00A Max.
10.1-11.0V, 0.01-20.00A Max.; 11.1-12.0V, 0.01-20.00A Max.
12.1-13.0V, 0.01-19.50A Max.; 13.1-14.0V, 0.01-19.50A Max.
14.1-15.0V, 0.01-19.50A Max.; 15.1-16.0V, 0.01-18.75A Max.
16.1-17.0V, 0.01-17.64A Max.; 17.1-18.0V, 0.01-16.66A Max.
18.1-19.0V, 0.01-15.78A Max.; 19.1-20.0V, 0.01-15.00A Max.
20.1-21.0V, 0.01-14.28A Max.; 21.1-22.0V, 0.01-13.63A Max.
22.1-23.0V, 0.01-13.00A Max.; 23.1-24.0V, 0.01-12.50A Max.
24.1-25.0V, 0.01-12.00A Max.; 25.1-26.0V, 0.01-11.50A Max.
26.1-27.0V, 0.01-11.11A Max.; 27.1-28.0V, 0.01-10.71A Max.
28.1-29.0V, 0.01-10.34A Max.; 29.1-30.0V, 0.01-10.00A Max.
30.1-31.0V, 0.01-9.67A Max.; 31.1-32.0V, 0.01-9.37A Max.
32.1-33.0V, 0.01-9.09A Max.; 33.1-34.0V, 0.01-8.82A Max.
34.1-35.0V, 0.01-8.57A Max.; 35.1-36.0V, 0.01-8.33A Max.
36.1-37.0V, 0.01-8.10A Max.; 37.1-38.0V, 0.01-7.89A Max.
38.1-39.0V, 0.01-7.69A Max.; 39.1-40.0V, 0.01-7.50A Max.
40.1-41.0V, 0.01-7.31A Max.; 41.1-42.0V, 0.01-7.14A Max.
42.1-43.0V, 0.01-6.97A Max.; 43.1-44.0V, 0.01-6.81A Max.
44.1-45.0V, 0.01-6.66A Max.; 45.1-46.0V, 0.01-6.52A Max.
46.1-47.0V, 0.01-6.38A Max.; 47.1-48.0V, 0.01-6.25A Max.
48.1-49.0V, 0.01-6.12A Max.; 49.1-50.0V, 0.01-6.00A Max.
50.1-51.0V, 0.01-5.88A Max.; 51.1-52.0V, 0.01-5.76A Max.
52.1-53.0V, 0.01-5.60A Max.; 53.1-54.0V, 0.01-5.55A Max.
54.1-55.0V, 0.01-5.45A Max.; 55.1-56.0V, 0.01-5.36A Max.

Features:

- Universal AC Input / Full range 100-240V
- No Load power consumption<0.5W
- Energy efficiency Level VI
- Comply with USA DoE, AU/NZ GEMPS
- 2-3 pole AC Inlet IEC320-C14/C8/C6
- Class II Power
- Protection:Short circuit/ Overload / Over voltage
- Fully enclosed plastic case
- LED indicator for power on
- 3 year warranty

Model:

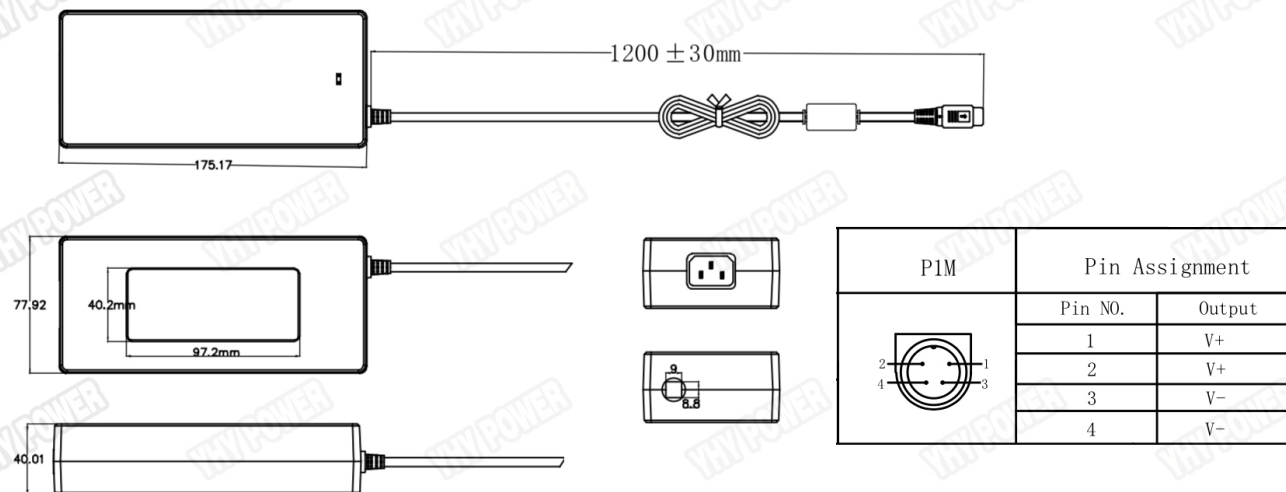
YHY-XXXXXXXX

Output Current (20A,20000)
Output Voltage (12V, 120)
Series Name

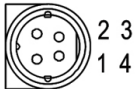
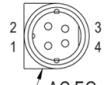
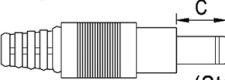
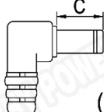
Electronic Specification:

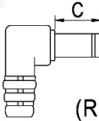
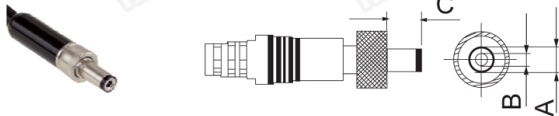
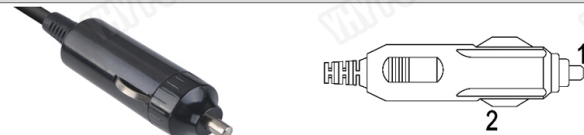
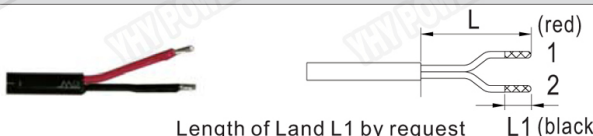
OUTPUT	RIPPLE & NOISE (max.) Note.1		120mVp-p	
	VOLTAGE TOLERANCE Note.2		±5.0%	
	LINE REGULATION Note.4		±1.0%	
	LOAD REGULATION		±5.0%	
	SETUP, RISE TIME Note.4		2000ms, 30ms / 230VAC 2500ms, 30ms / 115VAC at full load	
	HOLD UP TIME (Typ.)		20ms / 230VAC 20ms / 115VAC at full load	
INPUT	VOLTAGE RANGE Note.5		85 ~ 264VAC	
	FREQUENCY RANGE		47 ~ 63Hz	
	POWER FACTOR (Typ.)		PF>0.93 / 230VAC PF>0.97 / 115VAC at full load	
	EFFICIENCY (Typ.)	R7B	88.5%	
	AC CURRENT		1.4A / 115VAC 0.7A / 230VAC	
	INRUSH CURRENT (max.)		Cold start 35 / 115AC 70A / 230VAC	
	LEAKAGE CURRENT(max.)		0.75mA / 240VAC	
	ENVIRONMENT	WORKING TEMP.		-30 ~ +70℃ (Refer to "Derating Curve")
WORKING HUMIDITY		20% ~ 90% RH non-condensing		
STORAGE TEMP., HUMIDITY		-40 ~ +85℃, 10 ~ 95% RH non-condensing		
TEMP. COEFFICIENT		±0.03% / °C (0~45℃)		
VIBRATION		10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes		
SAFETY & EMC (Note. 6)	SAFETY STANDARDS		UL60950-1, CSA C22.2, TUV EN60950-1, CCC GB4943, PSE J60950-1, AS/NZS 60950, KC K60950-1,	
	WITHSTAND VOLTAGE		I/P-O/P: 3KVAC	
	ISOLATION RESISTANCE		I/P-O/P:100M Ohms / 500VDC / 25℃ / 70% RH	
	EMC EMISSION	Parameter	Standard	Test Level / Note
		Conducted emission	EN55032(CISPR32),FCC PART 15 / CISPR22 CAN ICES-3(B)/NMB-3(B),CNS13438,GB17625.1 EAC TP TC 020,MSIP KN32	Class B
		Radiated emission	EN55032(CISPR32),FCC PART 15 / CISPR22 CAN ICES-3(B)/NMB-3(B),CNS13438,GB17625.1 EAC TP TC 020,MSIP KN32	Class B
		Harmonic current	EN61000-3-2,GB9254	Class A
		Voltage flicker	EN61000-3-3	-----
	EMC IMMUNITY	Parameter	Standard	Test Level /Note
		ESD	EN61000-4-2	Level 4, 15KV air; Level 4, 8KV contact
		RF field susceptibility	EN61000-4-3	Level 2, 3V/m
		EFT bursts	EN61000-4-4	Level 2, 1KV
		Surge susceptibility	EN61000-4-5	Level 3, 1KV/Line-Line , 2KV/Line-FG
		Conducted susceptibility	EN61000-4-6	Level 2, 3V
		Magnetic field immunity	EN61000-4-8	Level 2, 3A/m
Voltage dips , interruption		EN61000-4-11	> 95% dip 0. 5 periods, 30% dip 25 periods, >95% interruptions 250 periods	
OTHERS	MTBF	368.75K hrs min. (25℃)		
	PACKING	0.62Kg; 20pcs/13.4Kg		
NOTE	1. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1μf & 47μf capacitor. 2. Tolerance: includes set up tolerance, line regulation, load regulation. 3. Line regulation is measured from low line to high line at rated load. 4. 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. 5. Derating may be needed under low input voltage. Please check the derating curve for more details. 6. The power supply is considered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with the EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."			

■ Mechanical Specification:



■ More DC Connectors:

R7B		Pin Assignment			
  KYCON KPPX-4P equivalent	 -V connected to AC FG	PIN NO.	OUTPUT		
		1	+Vo		
		2	-Vo		
		3	-Vo		
		4	+Vo		
Tuning Fork Style		Type No.	A	B	C
 	 (Straight)	P1	5.5	2.1	9.5
	 (Right-angled)	P1	5.5	2.5	9.5

Barrel Style		Type No.	A	B	C
			OD	ID	L
	 (Straight)	P2	5.5	2.1	9.5
	 (Right-angled)	P2	5.5	2.5	9.5
Lock Style		Type No.	A	B	C
			OD	ID	L
	P2S(S761K)	5.53	2.03	12.06	
	P2K(761K)	5.53	2.54	12.06	
	P2C(S760K)	5.53	2.03	9.52	
	P2D(760K)	5.53	2.54	9.52	
Min. DIN 3 Pin with Lock (male)		Type No.	Pin Assignment		
			PIN No.	Output	
 KYCON KPPX-3P equivalent	R6B	1	+Vo		
		2	-Vo		
		3	+Vo		
NEUTRIK XLR NC4FX equivalent		Type No.	Pin Assignment		
			PIN No.	Output	
	MIC4	1	+Vo		
		2	+Vo		
		3	-Vo		
		4	-Vo		
Cigarette Lighter		Type No.	Pin Assignment		
			PIN No.	Output	
	CAR1	1	+Vo		
		2	-Vo		
Stripped and tinned leads		Type No.	Pin Assignment		
			PIN No.	Output	
 Length of Land L1 by request (standard length, L: 25 mm, L1: 5 mm)	by customer	1	+Vo		
		2	-Vo		