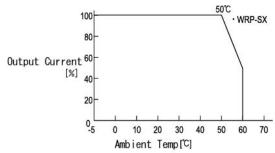
450 WATT AC-DC CONVERTER WRP-SX SERIES

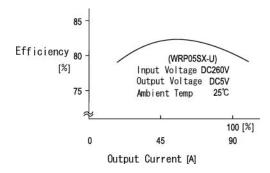
Specifications <ac dc=""></ac>	Model									
WRP**SX-U 450WATTS/SINGLE	WRP05SX-U	WRP06SX-U	WRP12SX-U	WRP15SX-U	WRP24SX-U	WRP30SX-U	WRP36SX-U	WRP48SX-U		
Input Characteristic										
Input Voltage	AC115/230V									
Input Current	11A at AC115/6A at AC230									
Input Range	AC85-132V/170-264V(DC220-360V)									
Input Frequency	50/60Hz									
Input Frequency Range	47-440Hz									
Phase	Single									
Inrush Current *1	12A(maximum) at AC115/24A(maximum) at AC230V									
Efficiency [%] (typical) *2	80	82	84	85	85	85	86	86		

DERATING CURVE



*For safety specification, contact ETA Sales Representative

EFFICIENCY CURVE





Specifications <ac dc=""></ac>	Model									
WRP**SX-U 450WATTS/SINGLE	WRP05SX-U	WRP06SX-U	WRP12SX-U	WRP15SX-U	WRP24SX-U	WRP30SX-U	WRP36SX-U	WRP48SX-U		
Output Characteristic										
Output Voltage [V]	5	6	12	15	24	30	36	48		
Output Current [A]	90.0	75.0	40.0	32.0	20.0	16.0	13.0	10.0		
Voltage Adjust Range				Output Voltage						
Ripple and Noise [mVp-p](maximum) *3	150	160	220	250	340	400	460	580		
Regulation			T		T					
a.Statistic Line Regulation [mV](maximum)	25	30	60	75	120	150	180	240		
b.Statistic Load Regulation [mV](maximum)	50	60	120	150	240	300	360	480		
c.Temperature Coefficient *4					%/°C	10-				
d.Drift[mV](maximum) *5	40	45	75	90	135	165	195	255		
e.Dynamic Load Regulation [mV](typical) *6										
f.Recovery Time *6	not specified									
Rise up time	500mS(maximum) at 25°C and rated input/output									
Hold up time	20mS(minimum) at 25°C and rated input/output									
Functions Overcurrent Protection	1		Curro	ent Limiting with	a quitamatia rac	201/07/				
≥105% of Rated Output Current[A]	94.5	78.8	42.0	33.6	21.0	16.8	13.7	10.5		
Overvoltage Protection	94.5	70.0					13.7	10.5		
≥110% of Rated Output Voltage[V]				down(to reset,l						
	5.5	6.6	13.2	16.5	26.4	33.0	39.6	52.8		
Remote Sense	available									
Remote On/Off	available									
Power Fail Detection	available									
Parallel/series Operation				ava	ilable					
Environmental										
Operating Temperature *7	-5 to +50°C									
Operating Humidity	30 to 85%RH(non-condensing)									
Storage Temperature	-20 to +85°C									
Storage Humidity	10 to 85%RH(non-condensing)									
Withstanding Voltage	Primary-Secondary AC3,000V for 1minute									
	Primary-Frame Ground AC2,500V for 1minute									
	Secondary-Frame Ground AC500V for 1minute									
Isolation Resistance	Primary-Secondary-Frame Ground 50MΩ(minimum) by DC500V insulation tester									
Vibration	5-10Hz:10mm double amplitude,10-55Hz:19.6m/s ² , 20minutes' period for 60minutes each along X,Y,Z axes(non-operating)									
Shock	294m/s ²									
Cooling	Forced Air(fan installed)									
? Leakage Current	1mA(maximum) at 25°C,rated input/output and rated input frequency									
? Line Conducted Noise	Built to meet FCC Part15-B Class A									
? Safety	UL: UL1950									
	C-UL: CSA C22.2 No.234 (Level 5)									
? Weight (typical)	2000g									
? MTBF [H]	155,000									
? Switching Frequency[kHz](typical)	135									
*1 at cold start					-					

^{*1} at cold start

^{*7} safety approved at 25°C



^{*2} at DC260V input and rated output

^{*3} measured by a bayonet probe at the end of a pair of 15cm long wires terminated with a 330uF electrolytic capacitor and a 100uF ceramic capacitor in parallel at a 0 to 100MHz bandwidth

^{*4} at -5 to +50°C

^{*5} for 7hour period after 1hour warm-up at 25°C and rated input/output

 $^{^{\}star}6$ when load changed from 25% to 75% of rated output current rapidly at AC115/230V input



DIMENSION DIAGRAM