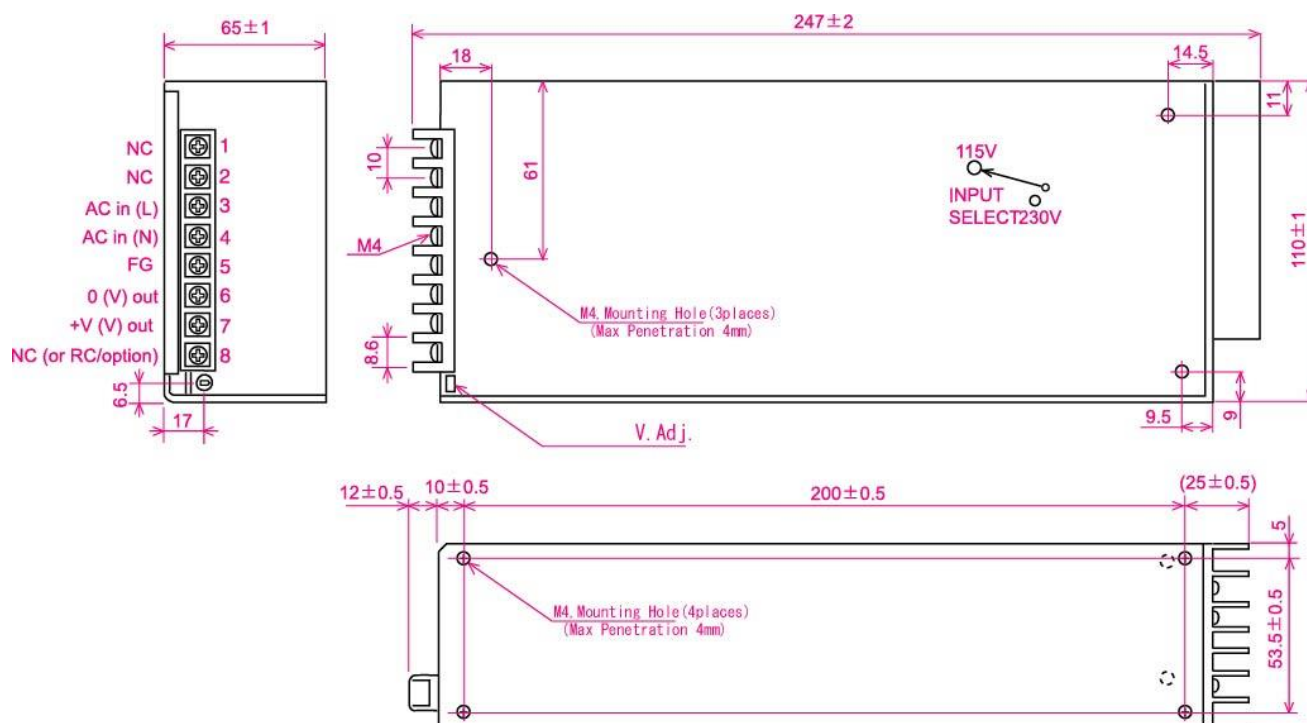


240 WATT
AC-DC
CONVERTER
PLEY-HSZ SERIES

Specifications<AC/DC>		Model		
PLEY**HSZ-U 240WATTS(Peak 300-360W)/SINGLE		PLEY12HSZ-U	PLEY24HSZ-U	PLEY36HSZ-U
Input Characteristic				
Input Voltage		AC115/230V(by selector)		
Input Current		5.5A at AC115V/2.8A at AC230V		
Input Range		AC85-132V/170-264V		
Input Frequency		50/60Hz		
Input Frequency Range		47-440Hz		
Phase		Single		
Inrush Current *1		17.5A(maximum)at AC115V/35A(maximum) at AC230V		
Efficiency [%] (typical) *2		83/85	86/88	87/88

Dimension (mm)

PLE**HSZ Specification

Specifications<AC/DC>	Model		
PLEY**HSZ-U 240WATTS(Peak 300-360W)/SINGLE	PLEY12HSZ-U	PLEY24HSZ-U	PLEY36HSZ-U
Output Characteristic			
Output Voltage [V]	12	24	36
Output Current [A]	18.0(Peak 25.0)	10.0(Peak 15.0)	6.8(Peak 10.0)
Voltage Adjust Range	+/- 10% of Rated Output Voltage(at no load within the input range)		
Ripple and Noise [mVp-p](maximum) *3	220	340	460
Regulation			
Statistic Line Regulation [mV](maximum)	96	192	288
Statistic Load Regulation [mV](maximum)	108	216	324
Temperature Coefficient *4	0.03%/°		
Drift[mV](maximum) *5	75	135	195
Dynamic Load Regulation [mV](typical) *6	360	720	1080
Recovery Time *6	0.5mS(typical)		
Rise up time	500mS(maximum) at 25°C		
Hold up time	20mS(minimum) at 25°C and rated input/output		
Functions			
Overcurrent Protection [A](minimum)	Current Limiting with automatic recovery		
	25.15	16.2	10.5
Overvoltage Protection 110% of Rated Output Voltage[V]	Output shutdown(to reset,leave 1minute after shut-off)		
	13.2	26.4	39.6
Remote Sense	not available		
Remote On/Off	option		
Environmental			
Operating Temperature *7	0 to +50 /enclosed type: -5 to +40		
Operating Humidity	30 to 85%RH(non-condensing)		
Storage Temperature	-20 to +85 Celsius		
Storage Humidity	10 to 85%RH(non-condensing)		
Withstanding Voltage	Primary-Secondary AC3,000V for 1minute		
	Primary-Frame Ground AC3,000V for 1minute		
	Secondary-Frame Ground AC500V for 1minute		
Isolation Resistance	Primary-Secondary-Frame Ground: 5000ohm/cm 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	Convection		
Leakage Current	1mA(maximum) at 25 °C,rated input/output and rated input frequency		
Line Conducted Noise	Built to meet VDE0871 Class A		
	Built to meet FCC Part15-B Class A		
Safety	UL: UL1950		
	CUL: CSA C22.2 No950		
	VDE: EN60950,IEC950,VDE0805		
Weight (typical)	1,130g/enclosed type:1,260g		
MTBF [H]	480,000		
Switching Frequency[kHz](typical)	90		

Conditions:

*1 at cold start

*2 at AC115/20V and at 25 Celsius

*3 measured by a bayonet probe at output connector at 0 to 100MHz bandwidth

*4 at 0 to +50 Celsius

*5 for 7hour period after 1hour warm-up at 25 Celsius and rated input/output

*6 when output current changed from 25% and 75% of rated output current rapidly at AC115/230V input

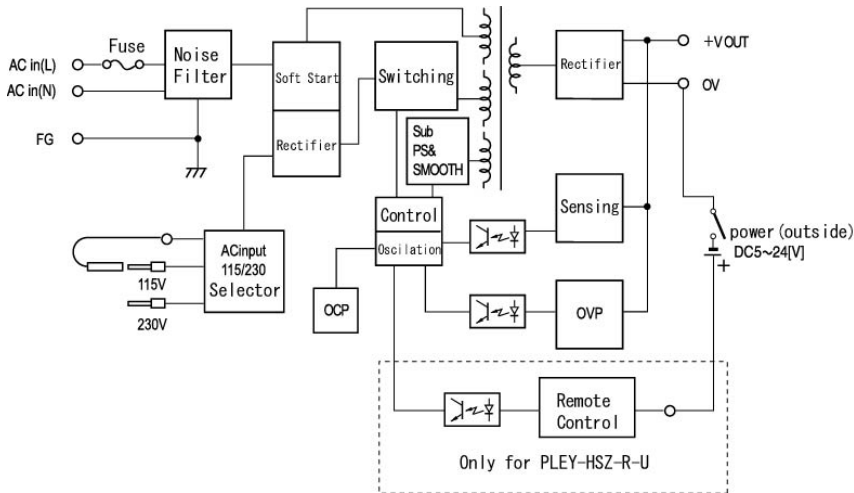
*7 safety approved at 25 Celsius


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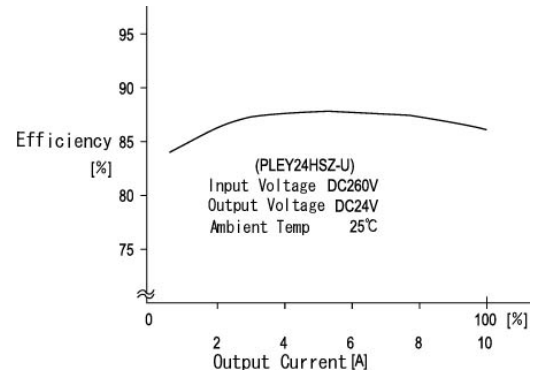
HIGH QUALITY SWITCHING POWER SUPPLIES

ETA-USA Tel: 408-778-2793 Fax: 408-779-2753 e-mail: sales@eta-usa.com

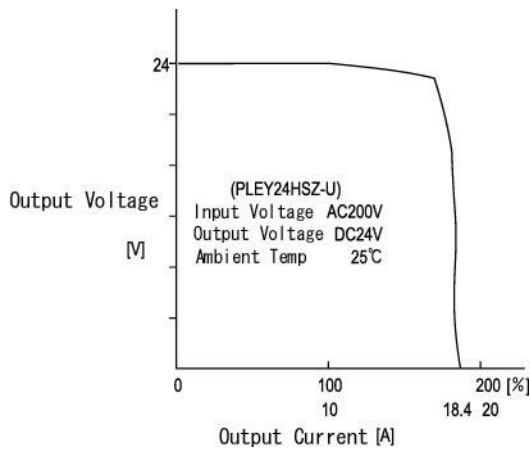
Block Diagram



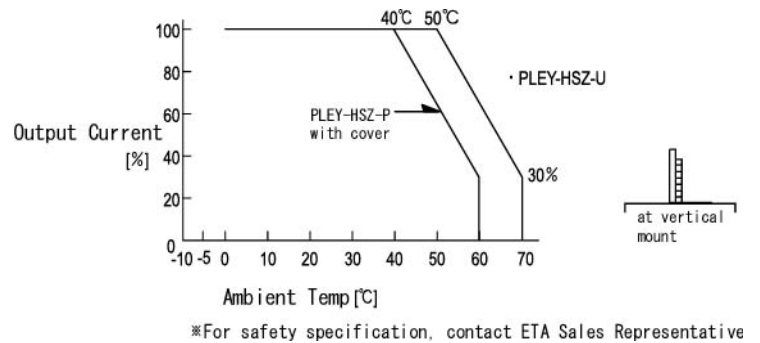
Efficiency Curve



OCP Curve



Derating Curve



*For safety specification, contact ETA Sales Representative

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