



U-Frame: 5.00 x 3.20 x 1.50"  
With Cover: 5.00 x 3.20 x 2.00"

**Input**

Input Voltage Universal 90-264 VAC (127-380 VDC)  
Input Frequency 47-63Hz  
Inrush Current 40A Max @ 230 VAC Cold Start  
Hold-Up Time 16ms @ 115 VAC / 20ms @ 230 VAC Full Load  
Power Factor Active PFC on 120-500W Models (PF > 0.95)  
All Models are compliant to EN61000-3-2

**Output**

Minimum Load None  
Line Regulation ±0.1% typ.  
Load Regulation ±1% max  
Ripple & Noise ±1% typ. pk-pk @ 20MHz  
Overload Protection 110-135% of max power  
OverVoltage Protection Latching at >130% of nominal  
Adjustment see table  
Transient Response voltage returns < 500µS following a 50% load change

**Features:**

- \* Ultra-Wide Operating Temperature of -15 ~ +50°C
- \* Universal AC Input (90-264 VAC)
- \* Optional Power Ready & Redundant Operation
- \* EN61000-3-2 / IEC100-3-2 Compliant
- \* Worldwide Safety Approvals
- \* EN55022 & FCC Class B Emissions
- \* CE Mark

**General**

Efficiency 68-82% (depending on model)  
Operating Temperature -5 ~ 50°C full load, derate 2.5% per °C to 70°C max.  
Storage Temperature -40°C to +85°C  
Cooling Convection

**EMC & Safety**



Emissions EN55022 "B", FCC Part 15 Subject J Class B

Safety Approvals UL/cUL 60950 Listed  
RP1072 models are UL508 Listed  
CE Mark (LVD)

Model Number	Outputs		
RP1020D-05F	5V	4A	
RP1024D-12F	12V	2A	
RP1024D-24F	24V	1A	Note 1
RP1045D-05F	5V	9A	Note 1
RP1045D-12F	12V	3.75A	Note 1
RP1045D-24F	24V	1.875A	Note 1
RP1072D-05F	5V	14.4A	Note 1, UL508 Listed
RP1072D-12F	12V	6A	Note 1, UL508 Listed
RP1072D-24F	24V	3A	Note 1, UL508 Listed
RP1072D-48F	48V	1.5A	Note 1
RP1120D-12C	12V	10A	Note 1
RP1120D-24C	24V	5A	Note 1
RP1120D-48C	48V	2.5A	Note 1
RP1200D-12C	12V	16.6A	Note 1
RP1200D-24C	24V	8.3A	Note 1
RP1200D-48C	48V	4.2A	Note 1
RP1240D-12C	12V	20A	Note 1
RP1240D-24C	24V	20A	Note 1
RP1240D-48C	48V	5A	Note 1
RP1500D-12C	12V	41.6A	Note 1
RP1500D-24C	24V	20.8A	Note 1
RP1500D-48C	48V	10.4A	Note 1

Note 1: Suffix required to designate termination (T=Barrier Block / E=Mini Terminals). Add the suffix N to designate optional Redundant Operation and Power Ready Signal.



All Advanced Power Solutions (APS) products will be RoHS compliant. Products that are compliant will bear the suffix "-LF" in their part number. APS will continue to ship non-RoHS product until all inventory has been consumed unless customer's have specifically ordered the parts with the "-LF" suffix.

***Mechanical Specifications:***

RP102x MODEL DIMENSIONS: 104(H)x76(D)x45(W)mm  
 RP1045 MODEL DIMENSIONS: 100(H)\*83(D)\*49(W)mm  
 RP1072D MODEL DIMENSIONS: 100(H)\*110(D)\*60(W)mm  
 RP1120 MODEL DIMENSIONS: 100(H)\*110(D)\*90(W)mm  
 RP1200D MODEL DIMENSIONS: 100(H)\*110(D)\*90(W)mm  
 RP1240D MODEL DIMENSIONS: 100(H)\*110(D)\*90(W)mm  
 RP1500D MODEL DIMENSIONS: 210(L)\*110(W)\*109.5(H)mm

