



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

