



- Designed By QINX GROUP USA, Made in China
- UL CE SAA PSE KC CCC Certificates.
- Case Material: PC
- Fully sealed by ultrasonic welding.
- Protection: Over Load/Over Voltage/Over Current/Over Temp/Short-Circuit.
- Meet Energy Efficiency VI, Comply with CEC VI, DOE VI.
- Comply With The Newest Safety Standard: UL62368, UL1310
- Support customized Label and DC connector.



MODEL NUMBER	OUTPUT VOLTAGE	OUTPUT CURRENT (MAX)	RIPPLE & NOISE NOTE 1	VOLTAGE ACCURACY NOTE 2	LINE REGULATION NOTE 3	LOAD REGULATION NOTE 4	% EFF. (Typ.) NOTE 5
QXP-PAW-05002000	5V	2.0A	< 180	±2%	±1%	±5%	78.7%
QXP-PAW-05003000	5V	3.0A		±2%	±1%	±5%	81.3%
QXP-PAW-12001000	12 V	1.0A		±2%	±1%	±3%	82.9%
QXP-PAW-12001500	12 V	1.5A		±2%	±1%	±2%	85.0%
QXP-PAW-12002000	12 V	2.0A		±2%	±1%	±2%	86.2%
QXP-PAW-24000500	24V	0.5A		±2%	±1%	±2%	82.9%
QXP-PAW-24001000	24V	1.0 A		±2%	±1%	±2%	86.2%
*Output from 5V to 48V can be selected, Max 24Watts. Please contact us to order specifications.							

Note:

1. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for ripple & noise measuring @20MHz BW.
2. Voltage accuracy is set at 60% full load.
3. Line regulation is measured from 100Vac to 240Vac with full load.
4. Load regulation measured from 60% to 100% full load and from 60% to 20% full load (60%±40% full load).
5. Typical efficiency at 230Vac and 75% full load at 25°C.

TECHNICAL SPECIFICATIONS:

(All specifications are typical at nominal input, full load at 25°C unless otherwise noted.)

INPUT

PARAMETER	NOTES and CONDITIONS	Device	Min.	Typ.	Max.	Units
Operating Voltage Range		All	100		240	Vac
Input Frequency Range		All	47 63			Hz
Maximum Input Current	100% Load, $V_{in}=100V_{ac}$	All			2.0	A
Leakage Current (Touch)		All			100	uA
Under Voltage Protection		All	48 67			Vac
Inrush Current	$V_{in}=240V_{ac}$, Cold start at 25°C	All			80	A

OUTPUT

PARAMETER	CONDITIONS	Device	Min.	Typ.	Max.	Units
regulation		All		±5		Vac

PROTECTIONS

PARAMETER	NOTES and CONDITIONS	Device	Min.	Typ.	Max.	Units
over voltage protection	output latch off	All			150	%
over current protection	output shut down, auto recovery	All	180			%
short circuit protection	output shut down, auto recovery	All	180			%

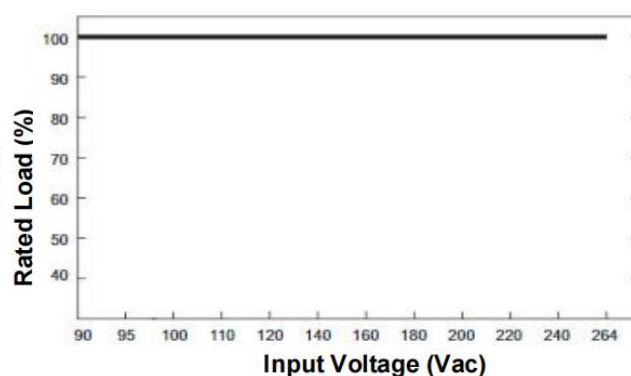
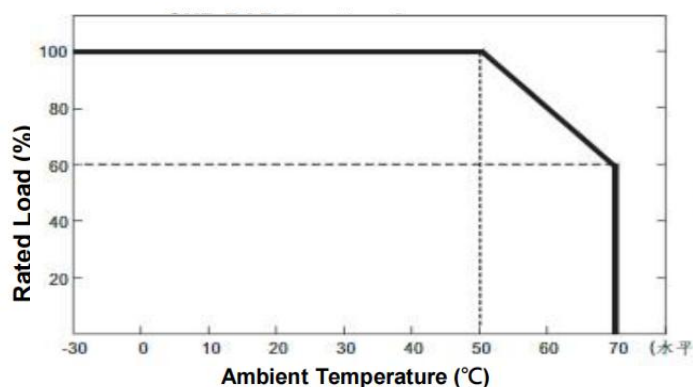
SAFETY & COMPLIANCE

PARAMETER	NOTES and CONDITIONS	Device	Min.	Typ.	Max.	Units
isolation voltage	input to output at 10 mA for 1 minute	All		3000		Vac
	input to frame ground at 10 ma for 1 minute	All		1500		Vac
isolation resistance	input to output at 500 Vdc	All		10		MΩ
	input to frame ground at 500 Vdc			10		MΩ
safety approvals	UL/cUL (1310, 62368), PSE, LPS, CE SAA KC CCC	All				
EMI/EMC	FCC Part 15B Class B, CE	All				
MTBF	as per Telcordia SR-332, 25°C	All	50,000			Hours
RoHS	Yes	All				

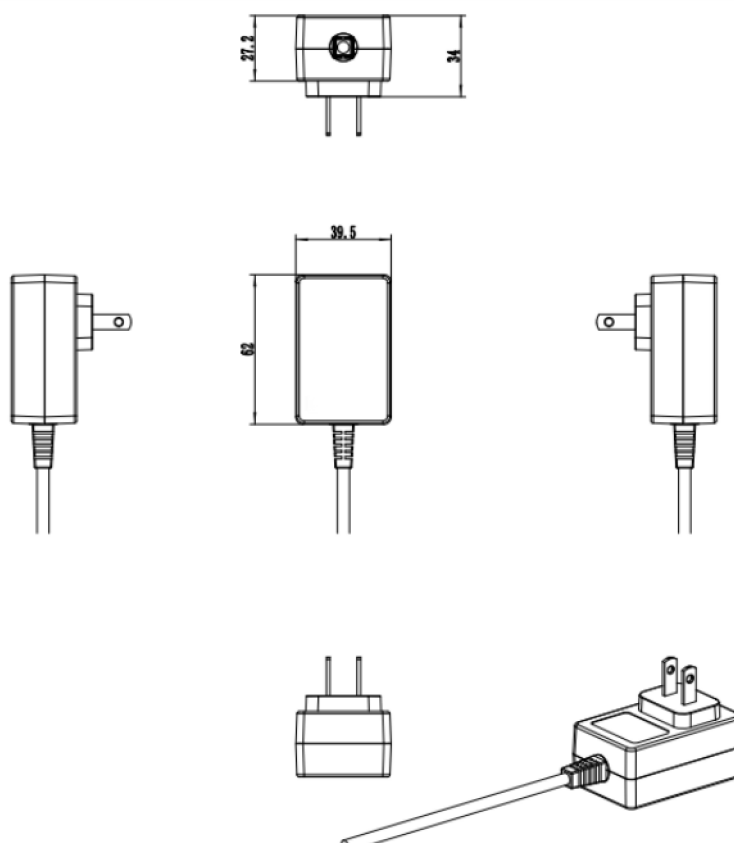
ENVIRONMENTAL

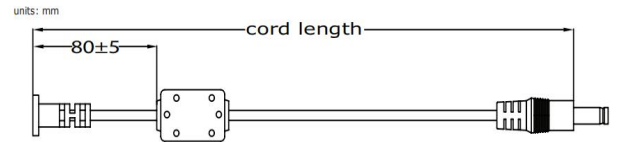
PARAMETER	NOTES and CONDITIONS	Device	Min.	Typ.	Max	Units
operating temperature	10-24W output models	All	-40		60	°C
storage temperature	Non-condensing	All	-20		80	°C
operating humidity	non-condensing	All	20		80	%
storage humidity	non-condensing	All	10		90	%

Power Derating Curve

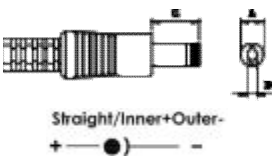
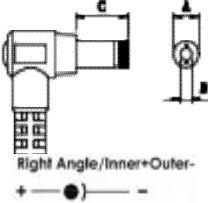
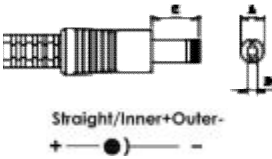
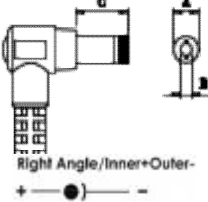
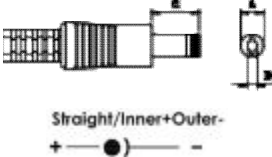
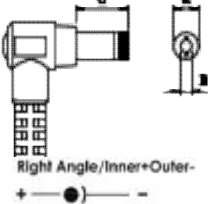


Mechanical Specification (mm)





Optional DC plug: (Available in customized cable or quick adapter)

DC Plug Type	Cable Number-XXXXX	A	B	C	Cable Type	Cord Length	Cable AWG
		OD (mm)	ID (mm)	L (mm)			
 Straight/Inner+Outer- + — ● — —	11Q01	Φ5.5	Φ2.1	12	UL2464	1220mm without Core	22AWG for Vo: 5V, 12V
	12Q01	Φ5.5	Φ2.5	12			
	23Q01	Φ5.5	Φ2.1	9.5			
	26Q01	Φ5.5	Φ2.5	9.5			
 Right Angle/Inner+Outer- + — ● — —	01Q01	Φ5.5	Φ2.1	12			
	02Q01	Φ5.5	Φ2.5	12			
	21Q01	Φ5.5	Φ2.5	9.5			
	24Q01	Φ5.5	Φ2.1	9.5			
 Straight/Inner+Outer- + — ● — —	11Q02	Φ5.5	Φ2.1	12	UL1185	1220mm without Core	20AWG for Vo: 15V
	12Q02	Φ5.5	Φ2.5	12			
	23Q02	Φ5.5	Φ2.1	9.5			
	26Q02	Φ5.5	Φ2.5	9.5			
 Right Angle/Inner+Outer- + — ● — —	01Q02	Φ5.5	Φ2.1	12			
	02Q02	Φ5.5	Φ2.5	12			
	21Q02	Φ5.5	Φ2.5	9.5			
	24Q02	Φ5.5	Φ2.1	9.5			
 Straight/Inner+Outer- + — ● — —	11Q03	Φ5.5	Φ2.1	12	UL1185	1220mm	22AWG for Vo: 18V, 19V 22AWG for Vo: 24V, 36V, 48V
	12Q03	Φ5.5	Φ2.5	12			
	23Q03	Φ5.5	Φ2.1	9.5			
	26Q03	Φ5.5	Φ2.5	9.5			
 Right Angle/Inner+Outer- + — ● — —	01Q03	Φ5.5	Φ2.1	12			
	02Q03	Φ5.5	Φ2.5	12			
	21Q03	Φ5.5	Φ2.5	9.5			
	24Q03	Φ5.5	Φ2.1	9.5			

※Other DC Plug Type please refer to the link: [Plugs options](#)

4 REVISION: Q24

All parameters are specified at 25° C ambient for all products unless otherwise indicated.
Guangdong Qinx Technology Co.,LTD. www.qinxpower.com