GOOD WILL INSTRUMENT CO., LTD.

 N0. 7-1, Jhongsing Road, Tucheng Dist., New Taipei City, 236, Taiwan

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PPX Specifications

The specifications apply when the PPX is powered on for at least 30 minutes under $+20^{\circ}C^{+}+30^{\circ}C$.

DC Output Mode		PPX-1005	PPX-2002	PPX-2005	PPX-3601	PPX-3603	PPX-10H01	
Output voltage		10.000V	20.000V	20.000V	36.000V	36.000V	100.00V	
Output current		5.0000A	2.0000A	5.0000A	1.0000A	3.0000A	1.0000A	
Output power		50W	40W	100W	36W	108W	100W	
CONSTANT VO	OLTAGE OPERA	TION						
Line		±(0.01% of setting +	±(0.01% of setting +	±(0.01% of setting +	±(0.01% of setting +	±(0.01% of setting +	±(0.01% of setting	
regulation ^{*7}		1mV)	1mV)	1mV)	3mV)	3mV)	+ 7mV)	
Load		±(0.01% of setting +	\pm (0.01% of setting +	\pm (0.01% of setting +	\pm (0.01% of setting +	\pm (0.01% of setting +	±(0.01% of setting	
regulation ^{*8}		2mV)	2mV)	3mV)	3mV)	4mV)	+ 7mV)	
Transient response ^{*1}			<50us					
Ripple& noise	(Vrms*2/ Vpp*3)	0.35mVrms/<6mV Vpp	0.5mVrms/ <8mV Vpp	0.5mVrms/ <8mV Vpp	0.8mVrms/ <10mV Vpp	0.8mVrms/ <10mV Vpp	1.2mVrms/ <15mV Vpp	
Rise time ^{*4}	Rated load	20ms or less		100ms or less				
	No load	20ms or less		100ms or less				
Fall time*5	Rated load	10ms or less		50ms or less				
	No load	100ms or less	150ms or less				250ms or less	
Setting range (105%)		0V to 10.5V	0V to 21.0V	0V to 21.0V	0V to 37.8V	0V to 37.8V	0V to 105.0V	
Setting resolution		0.2mV	0.5mV	0.5mV	1mV	1mV	2mV	
Setting accuracy (23°C± 5°C)		±(0.03% of setting + 3mV)	±(0.03% of setting + 5mV)	±(0.03% of setting + 5mV)	±(0.03% of setting + 8mV)	±(0.03% of setting + 8mV)	±(0.03% of setting + 20mV)	
Maximum remote sensing compensation voltage (single line) Temperature Coefficient		1V					3V	
(TYP.) ^{*6}		100 ppm/°C						
CONSTANT C	URRENT OPERA	TION						
Line		±(0.02% of setting +	\pm (0.02% of setting +	\pm (0.02% of setting +	\pm (0.02% of setting +	\pm (0.02% of setting +	±(0.02% of setting	
regulation*7		250uA)	100uA)	250uA)	50uA)	150uA)	+ 50uA)	
Load regulation ^{*9}		±(0.02% of setting + 250uA)	±(0.02% of setting + 100uA)	±(0.02% of setting + 250uA)	±(0.02% of setting + 50uA)	±(0.02% of setting + 150uA)	±(0.02% of setting + 50uA)	
Ripple &noise	(Arms ^{*2})	2300A) 2mA	1000A)	2300A) 2mA	400uA	1500A) 1mA	1mA	
Setting range (105%)		0A to 5.25A	0A to 2.1A	0A to 5.25A	0A to 1.050A	0A to 3.15A	0A to 1.050A	
Setting resolution		0.1mA	0.05mA	0.1mA	0.02mA	0.1mA	0.02mA	
Setting accuracy (23°C± 5°C)		±(0.05% of setting + 3.0mA)	±(0.05% of setting + 1.0mA)	±(0.05% of setting + 3.0mA)	±(0.05% of setting + 0.5mA)	±(0.05% of setting + 1.5mA)	±(0.05% of setting + 1.0mA)	
Temperature Coefficient (TYP.) ^{*6}		200 ppm/℃						
*1. Time for outp *2. Measuremen *3. Measuremen *4. From 10%~9	t frequency ban t frequency ban 0% of rated out	cover within ±(0.1% + 10) dwidth is 5 Hz to 1 MHz. dwidth is 10 Hz to 20 MH: put voltage, with rated re put voltage, with rated res	z. esistive load.	for a load change fro	m 50% to 100% of its ra	ated output current.		

*6. Temperature coefficient: after a 30 minute warm-up.

*7. At 90~110Vac or 108~132Vac or 198~242Vac or 216~264Vac, constant load.

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G<u><u></u></u>INSTEK

Material or second	*8. From No-loa	d to Full-load, co	onstant AC input voltage.							
"I of results the unit voltage ratio constant AC input valueIdeaument ValuePPX-303PPX-303PPX-304					out models are employ	ed				
Notation Range (c) Notati										
Veldage Rung Current Rung MI1.0000V2.0000V3.6000V3.6000V3.6000V10.000VCurrent Rung MS0000nA2.0000nA5.0000nA1.0000nA3.0000nA10.000nA10.000nALung Measurement ResolutionS0000nA2.0000nA5.0000nA10.000nA10.000nA10.000nA10.000nAKessurement ResolutionCurrent (h) Current (h)Current (h)Current (h)0.001nA0.001nA0.0001nA0.0001nAKessurement ResolutionCurrent (h) Current (h)Current (h)Current (h)0.001nA0.0001nA0.0001nAKessurement ResolutionCurrent (h) Current (h)Current (h)0.001nA0.0001nA0.0001nA0.0001nAKessurement ResolutionKing (h) Current (h)Current (h)Current (h)0.001nA0.0001nA0.0001nAKessurement ResolutionCurrent (h) Current (h)Current (h)Current (h)0.001nA0.0001nA0.0001nAKessurement ResolutionVitil Storing + AlgoStoring + Algo	Measurement and Display		PPX-1005	PPX-2002	PPX-2005	PPX-3601	PPX-3603	PPX-10H01		
ii1.0000V2.000V3.600V3.600V3.600V2.000VI5.000A2.000A5.000A1.000A3.000A <td>) (alta a a Dava a</td> <td>н</td> <td>10.000V</td> <td>20.000V</td> <td>20.000V</td> <td>36.000V</td> <td>36.000V</td> <td>100.00V</td>) (alta a a Dava a	н	10.000V	20.000V	20.000V	36.000V	36.000V	100.00V		
M S00.00mA 200.00mA 500.00mA 100.00mA 300.00mA 100.00mA L 500.00mA 20.000mA 500.00mA 100.00mA 30.000mA 100.00mA L 500.00mA 20.000mA 50.000mA 100.00mA 30.000mA 100.00mA Mass (1) 500.00mA 20.000mA 50.000mA 100.00mA 30.000mA 100.00mA Mass (1) 500.00mA 1.0000mA 1.0000mA 1.0000mA 100.00mA Mass (1) 500.00mA 0.000mA 1.0000mA 0.000mA 1.0000mA Mass (1) Current (1) Current (1) 1.0000mA 0.000mA 0.000mA Mass (1) 1.003% of rdg + 10.00% of rdg	voltage kange	L	1.0000V	2.0000V	2.0000V	3.6000V	3.6000V	10.000V		
Current Namp IL S0.000mA 20.000mA S0.000mA 10.000mA 30.000mA 10.000mA Near Negenation Resolution Vallage (N) Current (N) 1mV 1mV Near Negenation Resolution Current (N) 0.01mA 10.000mA 10.000mA Near Negenation Resolution Current (N) 0.01mA 0.01mA 0.01mA Current (N) 0.001mA 0.001mA 0.001mA 0.001mA Current (N) 0.001mA 0.001mA 0.001mA 0.001mA Current (N) 0.001mA 10.03% of ridg + 10.03%	Current Range	н	5.0000A	2.0000A	5.0000A	1.0000A	3.0000A	1.0000A		
LS000mA <td>м</td> <td>500.00mA</td> <td>200.00mA</td> <td>500.00mA</td> <td>100.00mA</td> <td>300.00mA</td> <td>100.00mA</td>		м	500.00mA	200.00mA	500.00mA	100.00mA	300.00mA	100.00mA		
Voltage (h) ImV ImV Voltage (h) 0.1mV 0.1mV 1mV Resolution 0.1mA 0.1mA 0.1mA 0.1mA Resolution 0.0mm (h) 0.01mA 0.01mA 0.01mA 0.01mA Current (h) 0.01mA 0.01mA 0.01mA 0.01mA 0.001mA 0.001mA </td <td>L</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		L								
Measurement Resolution Voltage (1) Current (14) Important Current (14										
Corrent (P)Corrent (P)OutputOutputResolutionCorrent (Q)Corrent (Q)OutputOutputCorrent (Q)Corrent (Q)Corrent (Q)Corrent (Q)OutputCorrent (Q)Corrent (Q) $\pm 0.03\%$ of r(d) + $\pm 0.03\%$										
$\begin{tabular}{ c $										
Current (L)Current (L)CONSINACONSI	Resolution	Current (M)	0.01mA							
voltage (H/L) ±(0.03% of rdg + 2mV) ±(0.03% of rdg + 4mV) ±(0.05% of rdg + 2mV) ±(Current (L)	0.001mA							
$\frac{\left \begin{array}{c c c c } \label{eq:approximate} \\ \hline \mbox{ lengerature} \\ \hline \mbox{ lengerature} \\ \hline \mbox{ lengerature} \\ \hline \mbox{ certicent } \mbox{ lengerature} \\ \hline \$		Current (LL)								
Coefficient " (TVP)Coefficient "		Voltage (H/L)	±(0.03% of rdg +2mV)			. 5				
Accuracy AccuracyCurrent (I/A)2.5mA)1.0mA)2.5mA)0.0mA)1.2mA)1.0mA)Current (I/L) $z(0.1\% ofr dg + 40\muA)$ $d(0.1\% ofr dg + 20\muA)$ $d(0.1\% ofr dg + 20\muA)$ $z(0.1\% ofr dg + 20\muA)$		Coefficient *1	100 ppm/°C							
$\frac{\left[\operatorname{Current (U,U)}_{2} \pm (0.1\% or trig + 40\mu A \right]^{2} 24\mu A \right]^{2} 40\mu A \right]^{2} 40\mu A \right]^{2} 16\mu A \right]^{2} \pm (0.1\% or trig + 28\mu A \right]^{2} 24\mu A \right]^{2} 24\mu A \right]^{2} 40\mu A]^{2} 40\mu A]^{$		Current (H/M)				. 5				
Coefficient 1 (rys)Coefficient 2 (rys)PPX-106PPX-2002PPX-2005PPX-3601PPX-3603PPX-10H11. Temperature (K-Type Thermoroup)RangePPX-10H1Resolution (K-Type Thermoroup)0		Current (L/LL)	±(0.1% of rdg + 40µA)			. 5	±(0.1% of rdg + 28µA)	-		
Temperature (K-Type ThermocouldRangePPX-1005PPX-2002PPX-2005PPX-3601PPX-3603PPX-10H01Resolution (K-Type ThermocouldResolution $-200^{+}C^{+}+1372^{+}C^{-}$ $0.25^{+}C^{+}-1372^{+}C^{-}$ $0.25^{+}C^{+}-1372^{+}C^{-}$ Protection Over Voltage Protection (CVP)PPX-1005PPX-2002PPX-2005PPX-3601PPX-3603PPX-10H01Over Voltage Protection (CVP)Operation $0.5V to 11.0V$ $1.0V to 22.0V$ $1.0V to 22.0V$ $1.8V to 39.6V$ $5.0V to 11.0V$ Setting Accuracy $0.5V to 11.0V$ $1.0V to 22.0V$ $1.0V to 22.0V$ $1.8V to 39.6V$ $5.0V to 11.0V$ Over Current Protection (CVP) $0.5V to 11.0V$ $1.0V to 22.0V$ $1.8V to 39.6V$ $1.8V to 39.6V$ $5.0V to 11.0V$ Over Current Protection (CVP) $0.5V to 11.0V$ $1.0V to 22.0V$ $1.0V to 22.0V$ $1.8V to 39.6V$ $5.0V to 11.0V$ Over Current Protection (CCP) $0.5S to 5.5A$ $0.1A to 2.2A$ $0.5A to 1.1A$ $0.15A to 3.3A$ $0.05A to 1.1A$ Over Current Protection (CCP) $\frac{1}{Accuracy}$ <td< td=""><td></td><td>Coefficient *1</td><td colspan="7">200 ppm/°C</td></td<>		Coefficient *1	200 ppm/°C							
Temperature (K-Type ThermocoupleRangeImage ResolutionImage 	*1. Temperature	coefficient: afte	r a 30 minute warm-up.							
$\begin{tabular}{ c $	Temperature	measurement	PPX-1005	PPX-2002	PPX-2005	PPX-3601	PPX-3603	PPX-10H01		
Thermocouple AccuracyProtectionCL2S UProtectionPPX-1005PPX-2002PPX-2005PPX-3601PPX-3603PPX-10H01Over Voltage Protection (OVP)Operation0.5V to 11.0V1.0V to 22.0V1.0V to 22.0V1.8V to 39.6V1.8V to 39.6V5.0V to 11.0VProtection (OVP)Etting Accuracy0.5V to 11.0V1.0V to 22.0V1.0V to 22.0V1.8V to 39.6V1.8V to 39.6V5.0V to 11.0VOver Current Protection (OCP)Etting Accuracy0.5V to 11.0V1.0V to 22.0V1.0V to 22.0V1.8V to 39.6V5.0V to 11.0VOver Current Protection (OCP)Operation0.5V to 11.0V1.0V to 22.0V1.0V to 22.0V1.8V to 39.6V5.0V to 11.0VOver Current Protection (OCP)Etting range Accuracy0.5V to 11.0V0.10 to 22.0V1.0V to 22.0V1.8V to 39.6V0.05A to 1.1AOver Current Protection (OCP)Etting range Accuracy0.25A to 5.5A0.1A to 2.2A0.25A to 5.5A0.05A to 1.1A0.15A to 3.3A0.05A to 1.1AOver Temperature Protection (OTP)Etting range AccuracyEtting AccuracyEtting AccuracyEtting AccuracyEtting AccuracyOver Temperature Protection (OTP)OperationOperationFPX-2002PPX-2005PPX-3601PPX-3603PPX-10H01	Temperature	Range	-200°C~+1372°C							
Accuracy $\pm (0.5\% + 2^{\circ}C)$ ProtectionPPX-1005PPX-2002PPX-2005PPX-3601PPX-3603PPX-10H01Over Voltage Protection (OVP)O.5V to 11.0V1.0V to 22.0V1.0V to 22.0V1.8V to 39.6V1.8V to 39.6V5.0V to 11.0VOver Voltage Protection (OVP)0.5V to 11.0V1.0V to 22.0V1.0V to 22.0V1.8V to 39.6V1.8V to 39.6V5.0V to 11.0VOver Current Protection (OVP)0.5V to 11.0V1.0V to 22.0V1.0V to 22.0V1.8V to 39.6V1.8V to 39.6V5.0V to 11.0VOver Current Protection (OCP)0.5V to 11.0V0.0V to 12.0V1.0V to 22.0V1.8V to 39.6V1.8V to 39.6V5.0V to 110.0VOver Current Protection (OCP)Operation0.5V to 11.0V0.0V to 22.0V1.0V to 22.0V1.8V to 39.6V1.8V to 39.6V5.0V to 110.0VOver Current Protection (OCP)Operation Protection Protection (OCP)0.5V to 5.5A0.1A to 2.2A0.25A to 5.5A0.05A to 1.1A0.15A to 3.3A0.05A to 1.1AOver Temperature Protection (OTP)Operation Operation0.05A to 5.5A0.05A to 1.1A0.15A to 3.3A0.05A to 1.1AOver Temperature Protection Other OtherOperation OperationTurns the output off, displays UP and lights ALARMVertice VerticeOver Temperature Protection OTPOperation OperationOPX-1005PPX-2002PPX-2005PPX-3601PPX-3603PPX-10H01		Resolution	0.25°C							
Over Voltage Protection (OVP)OperationImage: Contract of the second sec	memocoupic)	Accuracy	±(0.5% + 2°C)							
Over Voltage Protection (OVP)Setting range0.5V to 11.0V1.0V to 22.0V1.0V to 22.0V1.8V to 39.6V1.8V to 39.6V5.0V to 110.0VSetting AccuracySetting Accuracy $(5\% to 110\% of the rated output voltage)$ $(5\% to 110\% of the rated output voltage)$ Over Current Protection (OCP)Operation0.25A to 5.5A0.1A to 2.2A0.25A to 5.5A0.05A to 1.1A0.15A to 3.3A0.05A to 1.1AOver Current Protection (OCP)Setting Accuracy0.25A to 5.5A0.1A to 2.2A0.25A to 5.5A0.05A to 1.1A0.15A to 3.3A0.05A to 1.1AOver Current Protection (OCP)Setting Accuracy0.25A to 5.5A0.1A to 2.2A0.25A to 5.5A0.05A to 1.1A0.15A to 3.3A0.05A to 1.1AOver Current (OCP)Setting Accuracy0.05A to 5.5A0.1A to 2.2A0.25A to 5.5A0.05A to 1.1A0.15A to 3.3A0.05A to 1.1AOver Current Temperature Protection (OTP)OperationOperationTurns the output off, displays OTP and lights ALARMOver Current Temperature (OTP)OperationPPX-1005PPX-2002PPX-2005PPX-3601PPX-3603PPX-10H01	Protection		PPX-1005	PPX-2002	PPX-2005	PPX-3601	PPX-3603	PPX-10H01		
Protection (OVP) Setting range Image Image Setting Accuracy Setting range Image Image Over Current Protection (OCP) Operation 0.25A to 5.5A 0.1A to 2.2A 0.25A to 5.5A 0.05A to 1.1A 0.15A to 3.3A 0.05A to 1.1A Setting Accuracy 0.25A to 5.5A 0.1A to 2.2A 0.25A to 5.5A 0.05A to 1.1A 0.15A to 3.3A 0.05A to 1.1A Over Temperature Protection (OTP) Setting Accuracy Image Image Image Image Over Temperature Protection (OTP) Operation Image Image Image Image Over Temperature Protection (OTP) Operation Operation Image Image Image Over Temperature Protection (OTP) Operation Operation PPX-1005 PPX-2002 PPX-2005 PPX-3601 PPX-3603 PPX-10H01		Operation		Turns the output off, displays OVP and lights ALARM						
(SV C0 (OVP) Setting Accuracy ±(1% of rated output voltage) Setting Accuracy Operation Turns the output off, displays OCP and lights ALARM Over Current Protection (OCP) 0.25A to 5.5A 0.1A to 2.2A 0.25A to 5.5A 0.05A to 1.1A 0.15A to 3.3A 0.05A to 1.1A Over COP Setting Accuracy 0.25A to 5.5A 0.1A to 2.2A 0.25A to 5.5A 0.05A to 1.1A 0.15A to 3.3A 0.05A to 1.1A Over COP Setting Accuracy 0.25A to 5.5A 0.1A to 2.2A 0.25A to 5.5A 0.05A to 1.1A 0.15A to 3.3A 0.05A to 1.1A Over Temperature Protection (OTP) Operation Turns the output off, displays OTP and lights ALARM Setting and accuracy PPX-1005 PPX-2002 PPX-2005 PPX-3601 PPX-3603 PPX-10H01	Protection		0.5V to 11.0V	1.0V to 22.0V	1.0V to 22.0V	1.8V to 39.6V	1.8V to 39.6V	5.0V to 110.0V		
Setting AccuracySetting Accuracy $\pm (1\% \text{ of rating})$ Over Current Protection (OCP)Operation0.25A to 5.5A0.1A to 2.2A0.25A to 5.5A0.05A to 1.1A0.15A to 3.3A0.05A to 1.1ASetting range COVER Accuracy0.25A to 5.5A0.1A to 2.2A0.25A to 5.5A0.05A to 1.1A0.15A to 3.3A0.05A to 1.1AOver comparing Temperature Protection (OTP)Operation0.1A to 2.2A0.25A to 5.5A0.05A to 1.1A0.15A to 3.3A0.05A to 1.1AOver comparing Temperature Protection (OTP)OperationTurns the output off, displays OTP and lights ALARMTurns the output off, displays OTP and lights ALARMCommunicationPPX-1005PPX-2002PPX-2005PPX-3601PPX-3603PPX-10H01		Setting range	(5% to 110% of the rated output voltage)							
Operation Turns the output off, displays OCP and lights ALARM Over Current Protection (OCP) Setting range 0.25A to 5.5A 0.1A to 2.2A 0.25A to 5.5A 0.05A to 1.1A 0.15A to 3.3A 0.05A to 1.1A Vore Current (OCP) Setting Accuracy 0.25A to 5.5A 0.1A to 2.2A 0.25A to 5.5A 0.05A to 1.1A 0.15A to 3.3A 0.05A to 1.1A Over (OCP) Setting Accuracy turns the output off, displays OTP and lights ALARM ±(1% of rating) turns the output off, displays OTP and lights ALARM Over Temperature Protection (OTP) Operation Turns the output off, displays OTP and lights ALARM PPX-3603 PPX-10H01		5	±(1% of rating)							
Over Current Protection (OCP) Setting range Accuracy 0.25A to 5.5A 0.1A to 2.2A 0.25A to 5.5A 0.05A to 1.1A 0.15A to 3.3A 0.05A to 1.1A Voer Current (OCP) Setting Accuracy 0.25A to 5.5A 0.1A to 2.2A 0.25A to 5.5A 0.05A to 1.1A 0.15A to 3.3A 0.05A to 1.1A Over Temperature Protection (OTP) Operation Setting PPX-1005 PPX-2002 PPX-2005 PPX-3601 PPX-3603 PPX-10H01										
Protection (OCP) Setting Accuracy Setting Accuracy <td rowspan="2"></td> <td></td> <td colspan="8"></td>										
Image: Setting Accuracy Over Temperature Protection (OTP) Operation Turns the output off, displays OTP and lights ALARM Communications PPX-1005 PPX-2002 PPX-2005 PPX-3601 PPX-3603 PPX-10H01		Setting range	0.23A (0 3.3A				0.134 10 5.54	0.03A to 1.1A		
Over Temperature Protection (OTP) Operation Turns the output off, displays OTP and lights ALARM Communications PPX-1005 PPX-2002 PPX-2005 PPX-3601 PPX-3603 PPX-10H01	(OCP)	-								
Communications PPX-1005 PPX-2002 PPX-2005 PPX-3601 PPX-3603 PPX-10H01	Temperature Protection		Turns the output off, displays OTP and lights ALARM							
LAN MAC Address, DNS IP Address, User Password, Gateway IP Address, Instrument IP Address, Subnet Mask		ons	PPX-1005	PPX-2002	PPX-2005	PPX-3601	PPX-3603	PPX-10H01		
	LAN		MAC Address, DNS IP A	Address, User Password	l, Gateway IP Address, I	Instrument IP Address,	Subnet Mask			

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USB		Type A: Host, Type B: Slave, Speed: 1.1/2.0, USB-CDC							
RS-232/RS-485		Complies with the EIA-RS-232/RS-485 specifications (excluding the connector)							
Input ratings (AC rms)		PPX-1005	PPX-2002	PPX-2005	PPX-3601	PPX-3603	PPX-10H01		
Nominal input voltage ^{*1}		100Vac / 120Vac / 220Vac / 240Vac(±10%), 50Hz / 60Hz, single phase							
Input frequency range		47Hz to 63Hz							
Max. Inrush current		25Amax or less	20Amax or less	30Amax or less	35Amax or less	40Amax or less	30Amax or less		
Max. power consumption		200VA	150VA	300VA	150VA	300VA	300VA		
	5 1	plug to an AC line outlet, strument by connecting t	5		e bottom panel in the c	correct position.			
General		PPX-1005	PPX-2002	PPX-2005	PPX-3601	PPX-3603	PPX-10H01		
Dimensions (m	nm) & Weight	107(W)×124(H)×313(D	07(W)×124(H)×313(D) (not including protrusions) · Approx. 5.5kg						
Operating temperature		0° C to 40° C							
Storage temperature		-20° C to 70° C							
Operating humidity		20% to 80% RH; No condensation							
Storage humidity		20% to 85% RH; No condensation							
Altitude		Maximum 2000m							
EMC		Complies with the European EMC directive 2014/30/EU for Class A test and measurement products.							
Safety		Complies with the European Low Voltage Directive 2014/35/EU and carries the CE-marking.							
	Between input and chassis	No abnormalities at 1500 Vac for 1 minute.							
Withstand voltage	Between input and output	t No abnormalities at 3000 Vac for 1 minute.							
	Between output and chassis	No abnormalities at 500 Vdc for 1 minute.							
Insulation resistance	Between input and chassis	t 500 Vdc, 100MΩ or more							
	Between input and output	t 500 Vdc, 100MΩ or more							
	Between output and chassis	500 Vdc, 100MΩ or more							