PMP4403 Test Results

1. INPUT CHARACTERISTICS

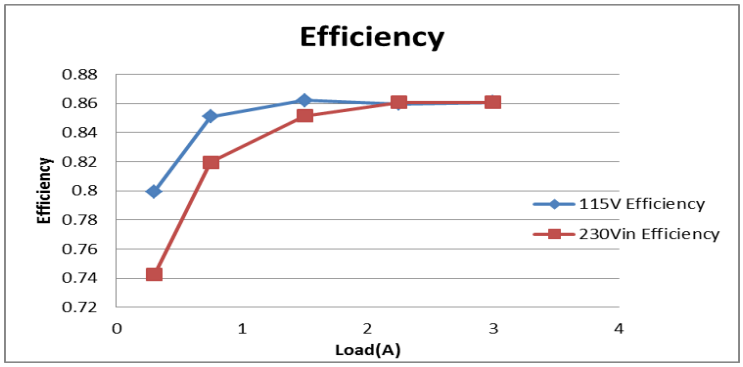
1.1 Standby Power

Vin (Vac)	Pin (mW)
90	19
115	20
230	25
264	28

1.2 EFFICIENCY DATA and Curve

Note: Efficiency is tested on USB end

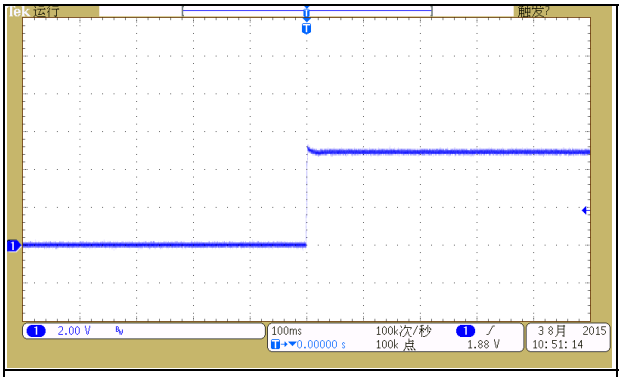
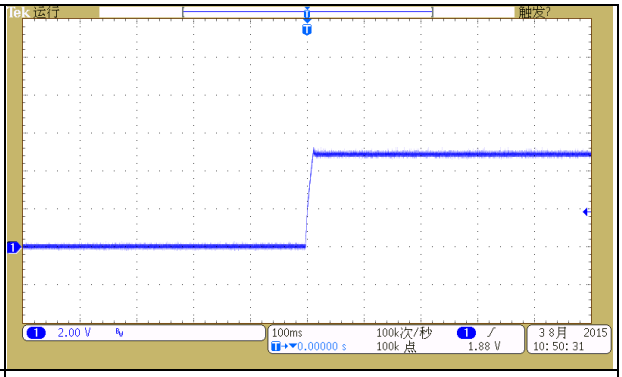
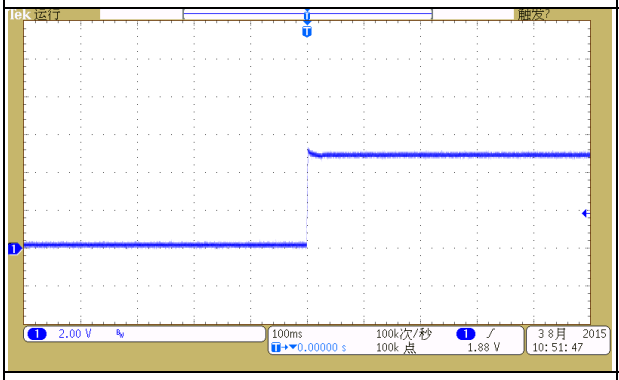
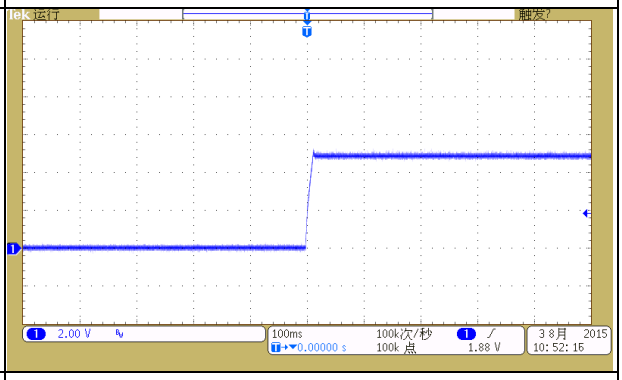
Vin(Vac)	Pin(W)	Vo(V)	Io(A)	Po(W)	Eff
115	1.87	4.982	0.30	1.495	**0.799**
	4.39	4.982	0.75	3.737	**0.851**
	8.67	4.983	1.50	7.475	**0.862**
	13.04	4.983	2.25	11.211	**0.860**
	17.37	4.984	3.00	14.952	**0.861**
				Ave eff	**0.858**
230	2.02	4.983	0.30	1.500	**0.743**
	4.56	4.984	0.75	3.738	**0.820**
	8.78	4.985	1.50	7.478	**0.852**
	13.04	4.985	2.25	11.226	**0.861**
	17.37	4.985	3.00	14.955	**0.861**
				Ave eff	**0.848**



2. OUTPUT CHARACTERISTICS

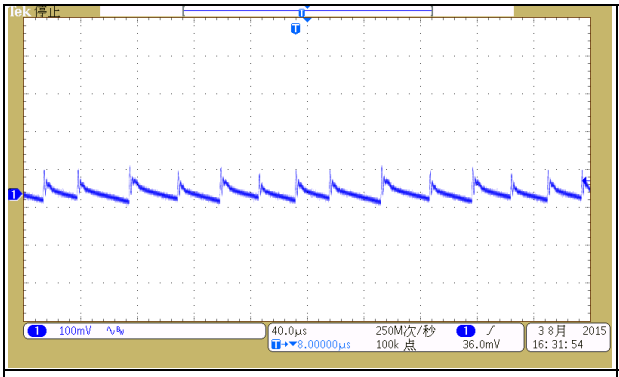
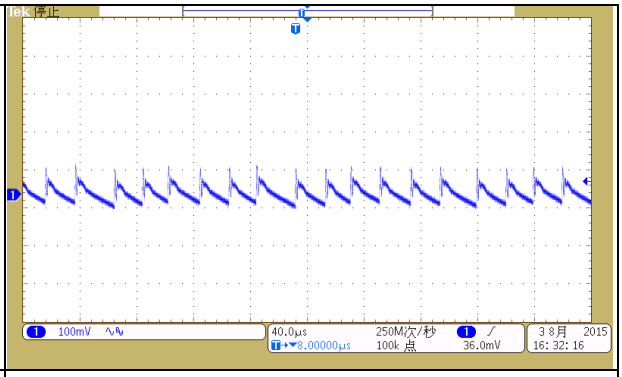
2.1 STARTUP

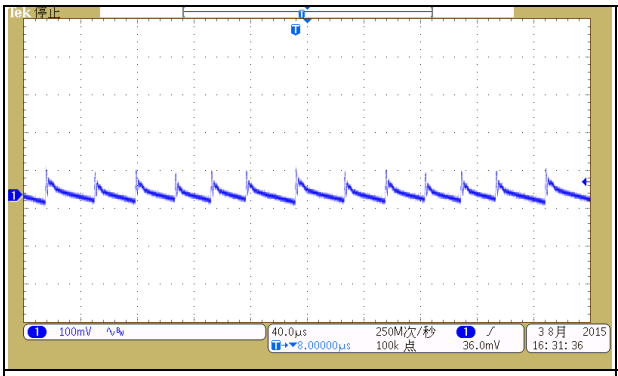
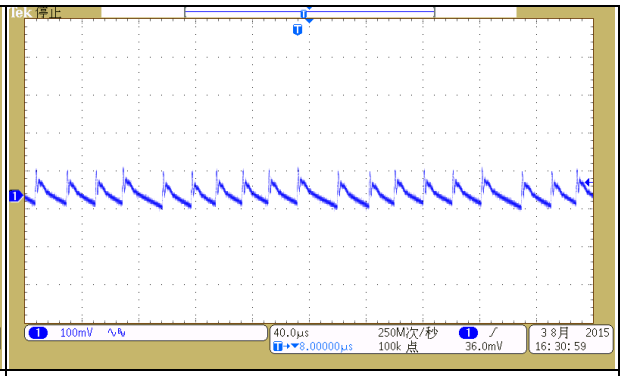
CH1: Vout

	
115V 0A Start Up	115V 3A Start Up
	
230V 0A Start Up	230V 3A Start Up

2.2 RIPPLE VOLTAGE

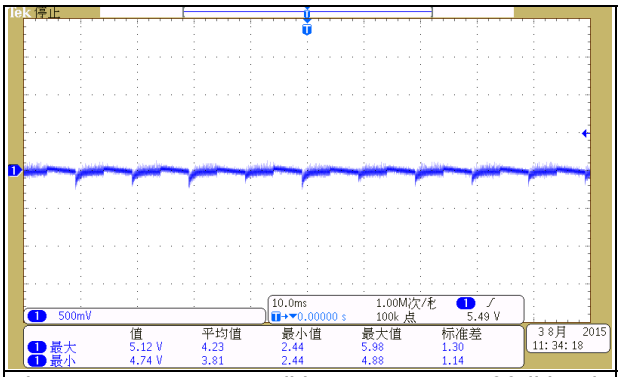
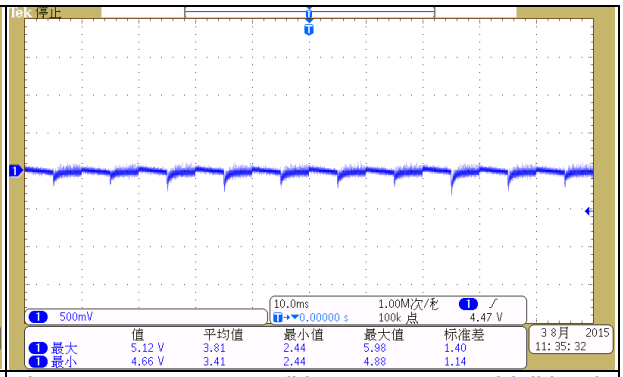
CH1: Vout

	
115V 1.5A Output Voltage Ripple	115V 3A Output Voltage Ripple

	
230V 1.5A Output Voltage Ripple	230V 3A Output Voltage Ripple

2.3 DYNAMIC RESPONSE

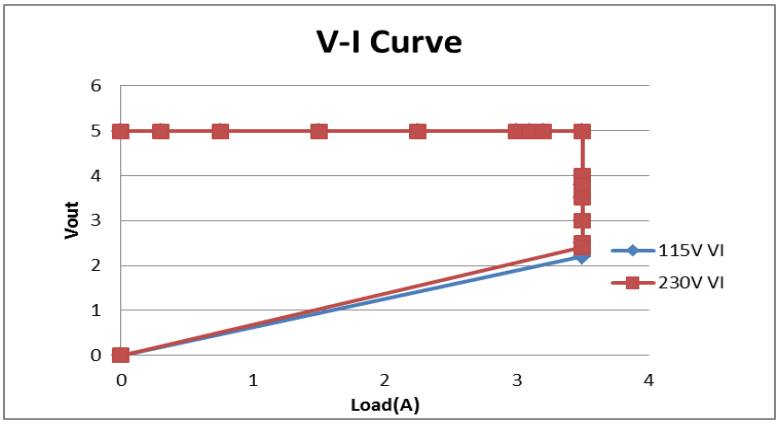
Input voltage	Output current	Max voltage	Min voltage
115Vac	0%-100% of full load	**5.12V**	**4.74V**
230Vac	0%-100% of full load	**5.12V**	**4.66V**

	
Vin: 115Vac test condition: 0%-100% of full load, 0.4A/us, 10ms cycle, Ch1: output voltage	Vin: 230Vac test condition: 0%-100% of full load, 0.4A/us, 10ms cycle Ch1: output voltage

2.4 OUTPUT SHORT PROTECTION

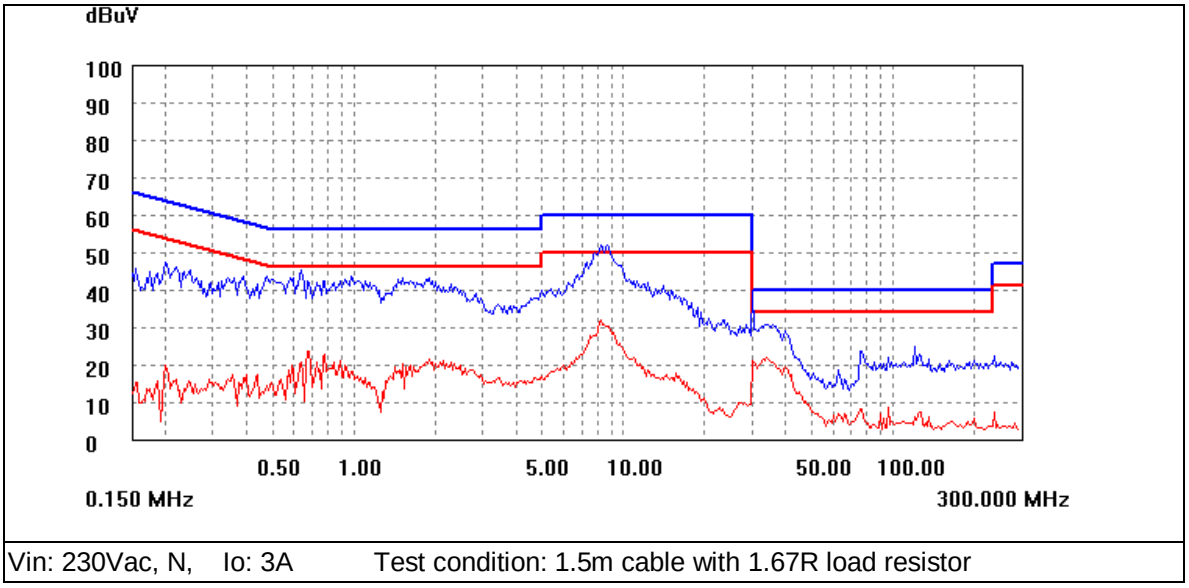
Input voltage	Output short protection
115&230Vac	**Hiccup up mode**

3. IV CURVE

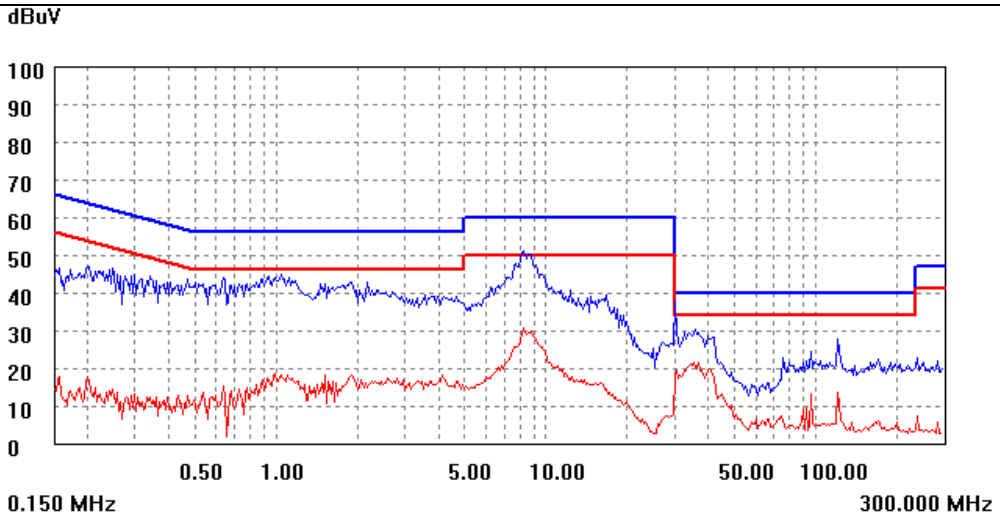


4. EMI Test

Conduction emission



Vin: 230Vac, N, Io: 3A Test condition: 1.5m cable with 1.67R load resistor



Vin: 230Vac, L, Io: 3A Test condition: 1.5m cable with 1.67R load resistor

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