



# PW336i

## Universal Test System

### Specifications

#### Voltage generators

<b>Setting range</b>	
4-phase ac (L-N)	4×0~150V
1-phase ac (L-L)	1×0~300V
dc (L-N)	4×0~±150V

#### Power

4-phase ac (L-N)	4×45VA at 150V
3-phase ac (L-N)	3×60VA at 150V
1-phase ac (L-L)	1×100VA at 300V
dc (L-N)	4×40 W at ±150 V

<b>Accuracy</b>	error < 0.08 % rd.+0.02 % rg. guar., at 0~150 V
	error < 0.04 % rd.+0.01 % rg. typ., at 0~150 V

<b>Ranges</b>	150V
<b>Resolution</b>	5mV for 150Vac
<b>Distortion</b>	< 0.05 % typ., (< 0.1 % guar.)

#### Current generators

<b>Setting range</b>	
6-phase AC (L-N)	6×0~15A
3-phase AC (2L-N)	3×0~30A
1-phase AC (6L-N)	1×0~90A
dc (L-N)	6×0~±10A
dc (6L-N)	1×0~±60A

#### Power

6-phase AC (L-N)	6×150VA at 15A
3-phase AC (2L-N)	3×240VA at 30A
1-phase AC (6L-N)	1×450VA at 90A
1-phase AC (L-L)	1×450VA at 30A

<b>Max compliance voltage (L-N) (L-L)</b>	
dc (L-N)	15Vpk/32Vpk
dc (L-N)	6×100W at ±10A
dc (6L-N)	1×480W at ±60A

<b>Accuracy</b>	error < 0.15 % rd.+0.05 % rg. guar., at 0~15A
-----------------	--

<b>Ranges</b>	error < 0.05 % rd.+0.02 % rg. typ., at 0~15A
	15A or 30A
<b>Resolution</b>	1mA
<b>Distortion</b>	< 0.05 % typ. (< 0.1 % guar.)

#### General

<b>Frequency</b>	
<b>Sine signal</b>	DC, 1~2000Hz
<b>Accuracy</b>	±1ppm
<b>Resolution</b>	0.001 Hz

<b>Phase</b>	
<b>Angle range</b>	-360°~+360°
<b>Accuracy</b>	< 0.05° typ., < 0.1° guar. at 50/60Hz
<b>Resolution</b>	±0.001°

#### Auxiliary dc supply

<b>Voltage range</b>	0~ 300V
<b>Power</b>	88W at 110V, 176W at 220V, 120W at 300V
<b>Accuracy</b>	error < 0.1 % rg. typ. (< 0.5 % rg. guar.)

#### Binary inputs

<b>Number</b>	8
<b>Input characteristics</b>	0~400Vdc threshold or potential free
<b>Time resolution</b>	50µs
<b>Max. measuring time</b>	infinite
<b>Debounce/Deglitch time</b>	0~25ms
<b>Counting function</b>	< 3kHz at pulse width>150µs

#### Binary outputs, relay

<b>Number</b>	4
<b>Type</b>	Potential free relay contacts, software controlled

<b>Break capacity ac</b>	Vmax: 300Vac /Imax: 8A /Pmax: 2000VA
<b>Break capacity dc</b>	Vmax: 300Vdc /Imax: 8A /Pmax: 150W

#### In-built monitoring and recording

<b>Monitoring</b>	currents and voltage outputs
<b>Recording</b>	analog outputs, binary inputs/outputs status
<b>Mode</b>	real time monitoring, no external wiring is required
<b>Recording length</b>	16s

#### Power supply

<b>Nominal input voltage</b>	110~240Vac
<b>Permissible input voltage</b>	90~260Vac
<b>Nominal frequency</b>	50/60Hz
<b>Permissible frequency</b>	45~65Hz

#### IEC61850 upgrade

Interpretation hardware is in-built. Please contact the supplier for options to activate the IEC61850 software support function

#### Environmental conditions

<b>Operation temperature</b>	0~+50°C
<b>Storage temperature</b>	-25~+70°C
<b>Relative humidity</b>	5~95% non - condensing
<b>EMC (Emission)</b>	IEC-61000-3-2/3
<b>EMC (Immunity)</b>	IEC 61000-4-2/3/4/5/6/11
<b>Safety</b>	IEC 61010-1

#### Others

<b>PC connection</b>	Ethernet, 10M/100M
<b>GPS interface</b>	DB9/TTL
<b>Ground Socket (earth)</b>	4 mm banana socket; front side
<b>Weight</b>	20kg
<b>Dimensions (W x H x D)</b>	360mm x 157mm x 367 mm

