

# IT-M7721L

Parameter		IT-M7721L
AC Input		
Voltage		100 ~ 240Vac
Phase		Single-phase
Frequency		47 ~ 63Hz
Max.current		4.3A
Power factor		0.99 (Typical)
AC Output		
Max. output power		300VA
Max. output voltage		300Vac
Output phase		Single-phase
Current range(rms)		3A
Current range(peak)		9A
Output frequency range		45 ~ 100Hz
Phase angle degree range		0 ~ 359.9°
THD*1*3		≤0.3% at 45 ~ 100Hz
Crest factor		3
Line Regulation *3		≤0.06%
Load Regulation *3		≤0.15%
Output voltage (VAC)	Resolution	0.1V
	Accuracy	±(0.2%+0.2% F.S.)
Frequency	Resolution	0.1Hz
	Accuracy	±0.1%
Phase angle degree range	Resolution	0.1°
	Accuracy	0.5°
DC offset value		20mVdc
Efficiency		75% (Typical)
DC Output		
Max. output power		300W
Max. output voltage		±400Vdc
Maximum output current (rms)		±3A

Parameter		IT-M7721L
DC voltage	Accuracy	$\pm(0.2\%+0.2\% \text{ F.S.})$
Dynamic response time (Full load of 10~90%)		$\leq 0.5\text{ms}$
Meter		
AC Voltage	Range	0-300V
	Resolution	0.1V
	Accuracy	$\pm(0.25\%+0.25\% \text{ F.S.})$
AC current (rms)	Range	0.1 ~ 3A
	Resolution	10mA
	Accuracy	$\pm(0.5\%+0.5\% \text{ F.S.})$
AC current (peak)	Range	0 ~ 4.25A
	Resolution	10mA
	Accuracy	$\pm(0.4\%+0.8\% \text{ F.S.})$
DC voltage	Accuracy	$\pm(0.25\%+0.25\% \text{ F.S.})$
DC current	Accuracy	$\pm(0.25\%+0.355\% \text{ F.S.})$
Frequency	Range	45Hz ~ 100Hz
	Resolution *4	0.1Hz
	Accuracy *2	$\pm 0.1\%$
Power (S)	Resolution	100mVA
	Accuracy	$\pm(0.5\%+0.5\% \text{ F.S.})$
Other		
Protection		OTP, OCP, OVP, OPP
Dimension (WxHxD)	Without foot post, protective cover	215 × 44.45 × 450 mm
	With foot post, protective cover	234 × 57.02 × 500 mm
Weight		5 KG

\*1: Min voltage for THD test is 100Vac.

\*2: Min voltage for frequency display accuracy is 100Vac.

\*3: Tested with pure resistive load.

\*4: The applicable range of frequency resolution is 45~99.9Hz.