



Model IT6512
Programmable
Power Supply

IT6512 Programmable High Power Supply

- VFD display
- Low voltage ripple and low noise
- High resolution and accuracy (1mV/1mA)
- simulation of car engine start for automotive tests
- integrated voltage sequence according DIN 40839
- rising time and fall time adjustable
- support USB/RS232/RS485/GPIB communication interfaces



Parameter		IT6512
Output rating (0 °C - 40 °C)	Voltage	0~80V
	Current	0~60A
	Power	0~1200W
(open remote sense function) Load regulation $\pm$ (% of output+offset)	Voltage	<0.01%+5mV
	Current	$\leq 0.1\%+10\text{mA}$
Line regulation $\pm$ (% of output+offset)	Voltage	<0.02%+1mV
	Current	<0.02%+1mA
Setup resolution	Voltage	1mV
	Current	1mA
Read back resolution	Voltage	1mV
	Current	1mA
Setup accuracy (within 12 months) (25°C $\pm$ 5°C) $\pm$ (% of output+offset)	Voltage	$\leq 0.02\%+30\text{mV}$
	Current	$\leq 0.1\%+0.1\%\text{FS}$
Read back resolution (25°C $\pm$ 5°C) $\pm$ (% of output+offset)	Voltage	0.02%+30mV
	Current	$\leq 0.1\%+0.1\%\text{FS}$
Ripple (20Hz ~20MHz)	Voltage	$\leq 30\text{mVp-p}$
	Current	10mA _{rms}
Temp. Coefficient (0 °C ~ 40 °C) $\pm$ (% of output+offset)	Voltage	0.02%+30mV
	Current	$\leq 0.05\%+10\text{mA}$
Readback Temp.Coefficient $\pm$ (% of output+offset)	Voltage	0.02%+30mV
	Current	$\leq 0.05\%+5\text{mA}$
Dimension (mm)	415mmW×44mmH×500mmD	
Weight	8.5kg	