

parameters		IT6502A-L	IT6512-L	IT6513-L
Rated value (0 °C - 40 °C)	voltage	0~80V	0~80V	0~150V
	current	0~60A	0~60A	0~30A
	power	0~750W	0~1200W	0~1200W
(in remote sense mode) Load regulation $\pm(\% \text{ of output} + \text{offset})$	voltage	$\leq 0.01\% + 8\text{mV}$	$\leq 0.01\% + 8\text{mV}$	$< 0.05\% + 30\text{mV}$
	current	$\leq 0.1\% + 10\text{mA}$	$\leq 0.1\% + 10\text{mA}$	$\leq 0.1\% + 30\text{mA}$
Line regulation $\pm(\% \text{ of output} + \text{offset})$	voltage	$\leq 0.02\% + 2\text{mV}$	$< 0.02\% + 2\text{mV}$	$< 0.02\% + 20\text{mV}$
	current	$\leq 0.02\% + 2\text{mA}$	$< 0.02\% + 2\text{mA}$	$< 0.02\% + 10\text{mA}$
Setting resolution	voltage	1mV	1mV	3mV
	current	1mA	1mA	1mA
Readback resolution	voltage	1mV	1mV	3mV
	current	1mA	1mA	1mA
Setting accuracy (within twelve months) (25°C±5°C) $\pm(\% \text{ of output} + \text{offset})$	voltage	$\leq 0.02\% + 30\text{mV}$	$\leq 0.02\% + 30\text{mV}$	$\leq 0.05\% + 30\text{mV}$
	current	$\leq 0.1\% + 0.1\% \text{FS}$	$\leq 0.1\% + 0.1\% \text{FS}$	$\leq 0.2\% + 0.1\% \text{FS}$
Readback accuracy (25°C±5°C) $\pm(\% \text{ of output} + \text{offset})$	voltage	$\leq 0.02\% + 30\text{mV}$	$\leq 0.02\% + 30\text{mV}$	$< 0.05\% + 30\text{mV}$
	current	$\leq 0.1\% + 0.1\% \text{FS}$	$\leq 0.1\% + 0.1\% \text{FS}$	$\leq 0.2\% + 0.1\% \text{FS}$
Ripple (20Hz ~20MHz)	voltage	$\leq 30\text{mVp-p}$	$\leq 30\text{mVp-p}$	$\leq 60\text{mVp-p}$
	current	$\leq 20\text{mA}_{\text{rms}}$	$\leq 20\text{mA}_{\text{rms}}$	$\leq 40\text{mA}_{\text{rms}}$
Tem coefficient (0 °C ~ 40 °C) $\pm(\% \text{ of output} + \text{offset})$	voltage	$\leq 0.02\% + 30\text{mV}$	$\leq 0.02\% + 30\text{mV}$	$< 0.02\% + 30\text{mV}$
	current	$\leq 0.05\% + 10\text{mA}$	$\leq 0.05\% + 10\text{mA}$	$\leq 0.05\% + 10\text{mA}$
Readback Tem coefficient $\pm(\% \text{ of output} + \text{offset})$	voltage	$\leq 0.02\% + 30\text{mV}$	$\leq 0.02\% + 30\text{mV}$	$< 0.02\% + 30\text{mV}$
	current	$\leq 0.05\% + 5\text{mA}$	$\leq 0.05\% + 5\text{mA}$	$\leq 0.05\% + 5\text{mA}$
dimension (mm)	415mmW×44mmH×500mmD			
weight (Kg)	8.5Kg			

parameters		IT6513A-L	IT6502D-L	IT6512A -L
Rated value (0 °C - 40 °C)	Voltage	0~150V	0~80V	0~80V
	Current	0~30A	0~60A	0~60A
	Power	0~1200W	0~800W	0~1200W
(in remote sense mode) Load regulation $\pm(\% \text{ of output} + \text{offset})$	Voltage	$<0.05\% + 30\text{mV}$	$\leq 0.01\% + 8\text{mV}$	$\leq 0.01\% + 8\text{mV}$
	Current	$\leq 0.1\% + 30\text{mA}$	$\leq 0.1\% + 10\text{mA}$	$\leq 0.1\% + 10\text{mA}$
Line regulation $\pm(\% \text{ of output} + \text{offset})$	Voltage	$<0.02\% + 20\text{mV}$	$\leq 0.02\% + 2\text{mV}$	$\leq 0.02\% + 2\text{mV}$
	Current	$<0.02\% + 10\text{mA}$	$\leq 0.02\% + 2\text{mA}$	$\leq 0.02\% + 2\text{mA}$
Setting resolution	Voltage	3mV	1mV	1mV
	Current	1mA	1mA	1mA
Readback resolution	Voltage	3mV	1mV	1mV
	Current	1mA	1mA	1mA
Setting accuracy (within twelve months) (25°C \pm 5°C) $\pm(\% \text{ of output} + \text{offset})$	Voltage	$\leq 0.05\% + 30\text{mV}$	$\leq 0.02\% + 30\text{mV}$	$\leq 0.02\% + 30\text{mV}$
	Current	$\leq 0.2\% + 0.1\% \text{FS}$	$\leq 0.1\% + 0.1\% \text{FS}$	$\leq 0.1\% + 0.1\% \text{FS}$
Readback accuracy (25°C \pm 5°C) $\pm(\% \text{ of output} + \text{offset})$	Voltage	$\leq 0.05\% + 30\text{mV}$	$\leq 0.02\% + 30\text{mV}$	$\leq 0.02\% + 30\text{mV}$
	Current	$\leq 0.2\% + 0.1\% \text{FS}$	$\leq 0.2\% + 0.1\% \text{FS}$	$\leq 0.1\% + 0.1\% \text{FS}$
Ripple (20Hz ~20MHz)	Voltage	$\leq 60\text{mVp-p}$	$\leq 30\text{mVp-p}$	$\leq 30\text{mVp-p}$
	Current	$\leq 40\text{mA}_{\text{rms}}$	$\leq 20\text{mA}_{\text{rms}}$	$\leq 20\text{mA}_{\text{rms}}$
Tem coefficient (0 °C ~ 40 °C) $\pm(\% \text{ of output} + \text{offset})$	Voltage	$<0.02\% + 30\text{mV}$	$\leq 0.02\% + 30\text{mV}$	$\leq 0.02\% + 30\text{mV}$
	Current	$\leq 0.05\% + 10\text{mA}$	$\leq 0.05\% + 10\text{mA}$	$\leq 0.05\% + 10\text{mA}$
Readback Tem coefficient $\pm(\% \text{ of output} + \text{offset})$	Voltage	$<0.02\% + 30\text{mV}$	$\leq 0.02\% + 30\text{mV}$	$\leq 0.02\% + 30\text{mV}$
	Current	$\leq 0.05\% + 5\text{mA}$	$\leq 0.05\% + 5\text{mA}$	$\leq 0.05\% + 5\text{mA}$
dimension (mm)	415mmW×44mmH×500mmD			
weight (Kg)	8.5Kg	8.5Kg	8.5Kg	8.5Kg

Supplemental characteristics

- State storage capacity 100 sets
- Recommended calibration frequency once a year
- Cooling style fans

Specifications of Red and Black Test Lines

ITECH provides you with optional red and black test lines, which individual sales and you can select for test. For specifications of ITECH test lines and maximum current values, refer to the table below.

Model	Specification	Cross section	Length
IT-E301/10A	10A	-	1m
IT-E301/30A	30A	6mm ²	1.2m
IT-E301/30A	30A	6mm ²	2m
IT-E301/60A	60A	20mm ²	1.5m
IT-E301/120A	120A	50mm ²	2m
IT-E301/240A	240A	70mm ²	1m
IT-E301/240A	240A	70mm ²	2m
IT-E301/360A	360A	95mm ²	2m

For maximum current of AWG copper wire, refer to table blow.

AWG	10	12	14	16	18	20	22	24	26	28
The Maximum current value(A)	40	25	20	13	10	7	5	3.5	2.5	1.7

Note: AWG (American Wire Gage), it means X wire (marked on the wire). The table above lists current capacity of single wire at working temperature of 30°C. For reference only.