Cal Power
Via Acquanera, 29 22100 COMO
tel. 031.526.566 (r.a.) fax 031.507.984
info@calpower.it www.calpower.it



# Chapter IV Technical Specification

This chapter will introduce the main technical parameters of IT6700, such as rated voltage/current/power and so on. Besides, we will introduce the working environment and storage temperature.

## 4.1 Main technical parameters

| Parameters | | IT6722 | IT6722A |
|---|---|---|---|
| Rated values ( 0 °C-40 °C) | voltage | 0~80V | |
| | current | 0~20A | |
| | power | 400W | |
| Load regulation ±(%of Output+Offset) | voltage | ≤0.03%+5mV | |
| | current | ≤0.1%+5mA | |
| Line regulation ±(%of Output+Offset) | voltage | ≤0.01%+5mV | |
| | current | ≤0.1%+5mA | |
| Setup resolution | voltage | 10mV | |
| | current | 10mA | |
| Readback resolution | voltage | 10mV | |
| | current | 10mA | |
| Setup accuracy (one year 、25°C±5°C) ±(%of Output+Offset) | voltage | ≤0.01%+10mV | |
| | current | ≤0.1%+10mA | |
| Readback accuracy (one year 、25°C±5°C) ±(%of Output+Offset) | voltage | ≤0.01%+20mV | |
| | current | ≤0.1%+20mA | |
| Ripple (20Hz -20MHz) | voltage | ≤50mVp-p | |
| | current | ≤15mArms | |
| Setup Temp.coefficient (%Output/°C+Offset) | voltage | 0.02%+10mV | |
| | current | 0.03%+10mA | |
| Readback Temp.coefficient (%Output/°C+Offset) | voltage | 0.02%+10mV | |
| | current | 0.03%+10mA | |
| Rise time(No-load) | voltage | ≤300mS | |
| Rise time(Full-load) | voltage | ≤1S | |
| Fall time(No-load) | voltage | ≤500mS | |
| Fall time(Full-load) | voltage | ≤300mS | |
| Transient Response Time | ≤5mS | | |
| AC Input | voltage1 | 176V~ 264V | |
| | voltage2 | / | |
| | Frequency | 47Hz~63Hz | |
| Setup stability-30min (%of Output +Offset) | voltage | 0.01%+20mV | |
| | current | 0.1%+30mA | |
| Setup stability-8h (%of Output +Offset) | voltage | 0.01%+20mV | |
| | current | 0.1%+30mA | |
| Readback stability-30min (%of Output +Offset) | voltage | 0.01%+20mV | |
| | current | 0.1%+30mA | |

Copyright © Itech Electronic Co., Ltd.

| | | | |
|---|---|---|---|
| Readback stability-8h (%of Output +Offset) | voltage | 0.01%+20mV | |
| | current | 0.1%+30mA | |
| Efficiency | 80%(Typical) | | |
| Fuse specification | 5A | | |
| Remote Sense Compensation | 1V | | |
| Command Response Time | 10-600mS | | |
| Power Factor | 99%(Typical) | | |
| Maximum input current | 3A | | |
| Maximum input apparent power | 500VA | | |
| Storage temperature | -10℃~70℃ | | |
| Protective function | OVP/OCP/OTP | OVP/OTP | |
| standard Interface | USB/RS232/GPIB | USB/RS232 | |
| Isolation (output to ground) | 500V | | |
| Working temperature | 0~40℃ | | |
| Dimension(mm) | 214.5mmW×88.2mmH×445mmD | | |
| Weight(net) | 4Kg | | |

| Parameters | | IT6723 | IT6724 |
|---|---|---|---|
| Rated values ( 0 °C-40 °C) | voltage | 0~80V | |
| | current | 0~40A | |
| | power | 850W | 1500W |
| Load regulation ±(%of Output+Offset) | voltage | ≤0.01%+10mV | |
| | current | ≤0.1%+10mA | |
| Line regulation ±(%of Output+Offset) | voltage | ≤0.01%+10mV | |
| | current | ≤0.1%+10mA | |
| Setup resolution | voltage | 10mV | |
| | current | 10mA | |
| Readback resolution | voltage | 10mV | |
| | current | 10mA | |
| Setup accuracy (one year 、25°C±5°C) ±(%of Output+Offset) | voltage | ≤0.03%+20mV | |
| | current | ≤0.1%+40mA | |
| Readback accuracy (one year 、25°C±5°C) ±(%of Output+Offset) | voltage | ≤0.03%+20mV | |
| | current | ≤0.1%+40mA | |
| Ripple (20Hz -20MHz) | voltage | ≤100mVp-p | |
| | current | ≤50mArms | |
| Setup Temp.coefficient (%Output/°C+Offset) | voltage | 0.02%+10mV | |
| | current | 0.03%+20mA | |
| Readback Temp.coefficient (%Output/°C+Offset) | voltage | 0.01%+10mV | |
| | current | 0.03%+20mA | |
| Rise time(No-load) | voltage | ≤300mS | |
| Rise time(Full-load) | voltage | ≤500mS | |
| Fall time(No-load) | voltage | ≤5S | |
| Fall time(Full-load) | voltage | ≤150mS | |
| Transient Response Time | ≤500uS | | |

Copyright © Itech Electronic Co., Ltd.

| | | | |
|---|---|---|---|
| AC Input | voltage1 | 110V±10% | 220V±10% |
| | voltage2 | 220V±10% | / |
| | Frequency | 47HZ-63HZ | |
| Setup stability-30min (%of Output +Offset) | voltage | 0.03%+20mV | |
| | current | 0.1%+40mA | |
| Setup stability-8h (%of Output +Offset) | voltage | 0.03%+20mV | |
| | current | 0.1%+40mA | |
| Readback stability-30min (%of Output +Offset) | voltage | 0.03%+20mV | |
| | current | 0.1%+40mA | |
| Readback stability-8h (%of Output +Offset) | voltage | 0.03%+20mV | |
| | current | 0.1%+40mA | |
| Efficiency | 84% | 88% | |
| Fuse specification | 15A | | |
| Remote Sense Compensation | 1V | | |
| Command Response Time | 10-600mS | | |
| Power Factor | 0.98 | | |
| Maximum input current | 10A | | |
| Maximum input apparent power | 1100VA | 2000VA | |
| Storage temperature | -10℃~70℃ | | |
| Protective function | OVP/OCP/OTP | | |
| standard Interface | GPIB/USB/RS232 | | |
| Isolation (output to ground) | 500V | | |
| Working temperature | 0~40℃ | | |
| Dimension(mm) | 214.5mmW×88.2mmH×445mmD | | |
| Weight(net) | 6Kg | | |

| Parameters | | IT6723B | IT6724B |
|---|---|---|---|
| Rated values ( 0 °C-40 °C) | voltage | 0~150V | |
| | current | 0~20A | |
| | power | 850W | 1500W |
| Load regulation ±(%of Output+Offset) | voltage | ≤0.01%+40mV | |
| | current | ≤0.1%+10mA | |
| Line regulation ±(%of Output+Offset) | voltage | ≤0.01%+30mV | |
| | current | ≤0.1%+10mA | |
| Setup resolution | voltage | 100mV | |
| | current | 10mA | |
| Readback resolution | voltage | 100mV | |
| | current | 10mA | |
| Setup accuracy (one year 、25°C±5°C) ±(%of Output+Offset) | voltage | ≤0.03%+100mV | 0.03%+100mV |
| | current | ≤0.1%+20mA | 0.1%+20mA |
| Readback accuracy (one year 、25°C±5°C) ±(%of Output+Offset) | voltage | ≤0.03%+200mV | 0.03%+200mV |
| | current | ≤0.1%+20mA | 0.1%+20mA |
| Ripple (20Hz -20MHz) | voltage | ≤150mVp-p | |
| | current | ≤30mArms | |
| Setup Temp.coefficient | voltage | 0.02%+100mV | 0.02%+100mV |

Copyright © Itech Electronic Co., Ltd.

| | | | |
|---|---|---|---|
| (%Output/°C+Offset) | current | 0.03%+20mA | 0.03%+20mA |
| Readback Temp.coefficient (%Output/°C+Offset) | voltage | 0.02%+100mV | 0.02%+100mV |
| | current | 0.03%+20mA | 0.03%+20mA |
| Rise time(No-load) | voltage | ≤300mS | |
| Rise time(Full-load) | voltage | ≤1S | |
| Fall time(No-load) | voltage | ≤5S | |
| Fall time(Full-load) | voltage | ≤200mS | |
| Transient Response Time | ≤500uS | | |
| AC Input | voltage1 | 110V±10% | 220V±10% |
| | voltage2 | 220V±10% | / |
| | Frequency | 47HZ-63HZ | |
| Setup stability-30min (%of Output +Offset) | voltage | 0.03%+75mV | |
| | current | 0.1%+20mA | |
| Setup stability-8h (%of Output +Offset) | voltage | 0.03%+75mV | |
| | current | 0.1%+20mA | |
| Readback stability-30min (%of Output +Offset) | voltage | 0.03%+75mV | |
| | current | 0.1%+20mA | |
| Readback stability-8h (%of Output +Offset) | voltage | 0.03%+75mV | |
| | current | 0.1%+20mA | |
| Efficiency | 84% | 88% | |
| Fuse specification | 15A | | |
| Remote Sense Compensation | 1V | | |
| Command Response Time | 10-600mS | | |
| Power Factor | 0.98(Typical) | | |
| Maximum input current | 10A | | |
| Maximum input apparent power | 1100VA | 2000VA | |
| Storage temperature | -10℃~70℃ | | |
| Protective function | OVP/OCP/OTP | | |
| standard Interface | GPIB/USB/RS232 | | |
| Isolation (output to ground) | 500V | | |
| Working temperature | 0~40℃ | | |
| Dimension(mm) | 214.5mmW×88.2mmH×445mmD | | |
| Weight(net) | 6Kg | | |

| Parameters | | IT6723C | IT6724C |
|---|---|---|---|
| Rated values ( 0 °C-40 °C) | voltage | 0~32V | |
| | current | 0~110A | |
| | power | 850W | 1500W |
| Load regulation ±(%of Output+Offset) | voltage | ≤0.01%+5mV | |
| | current | ≤0.1%+10mA | |
| Line regulation ±(%of Output+Offset) | voltage | ≤0.01%+5mV | |
| | current | ≤0.1%+10mA | |
| Setup resolution | voltage | 10mV | |
| | current | 10mA | |
| Readback resolution | voltage | 10mV | |
| | current | 10mA | |

Copyright © Itech Electronic Co., Ltd.

| | | | |
|---|---|---|---|
| Setup accuracy (one year 、25°C±5°C) ±(%of Output+Offset) | voltage | ≤0.03%+10mV | |
| | current | ≤0.1%+60mA | |
| Readback accuracy (one year 、25°C±5°C) ±(%of Output+Offset) | voltage | ≤0.03%+20mV | |
| | current | ≤0.1%+60mA | |
| Ripple (20Hz -20MHz) | voltage | ≤100mVp-p | |
| | current | ≤150mArms | |
| Setup Temp.coefficient (%Output/°C+Offset) | voltage | 0.02%+10mV | |
| | current | 0.03%+10mA | |
| Readback Temp.coefficient (%Output/°C+Offset) | voltage | 0.02%+10mV | |
| | current | 0.03%+10mA | |
| Rise time(No-load) | voltage | ≤300mS | |
| Rise time(Full-load) | voltage | ≤500mS | |
| Fall time(No-load) | voltage | ≤5S | |
| Fall time(Full-load) | voltage | ≤150mS | |
| Transient Response Time | ≤500uS | | |
| AC Input | voltage1 | 110V±10% | 220V±10% |
| | voltage2 | 220V±10% | / |
| | Frequency | 47HZ-63HZ | |
| Setup stability-30min (%of Output +Offset) | voltage | 0.03%+10mV | |
| | current | 0.1%+60mA | |
| Setup stability-8h (%of Output +Offset) | voltage | 0.03%+10mV | |
| | current | 0.1%+60mA | |
| Readback stability-30min (%of Output +Offset) | voltage | 0.03%+10mV | |
| | current | 0.1%+60mA | |
| Readback stability-8h (%of Output +Offset) | voltage | 0.03%+10mV | |
| | current | 0.1%+60mA | |
| Efficiency | 84% | 88% | |
| Fuse specification | 15A | | |
| Remote Sense Compensation | 1V | | |
| Command Response Time | 10-600mS | | |
| Power Factor | 0.98 | | |
| Maximum input current | 10A | | |
| Maximum input apparent power | 1100VA | 2000VA | |
| Storage temperature | -10℃~70℃ | | |
| Protective function | OVP/OCP/OTP | | |
| standard Interface | GPIB/USB/RS232 | | |
| Isolation (output to ground) | 500V | | |
| Working temperature | 0~40℃ | | |
| Dimension(mm) | 214.5mmW×88.2mmH×445mmD | | |
| Weight(net) | 6Kg | | |

| Parameters | | IT6723G | IT6724G |
|---|---|---|---|
| Rated values | voltage | 0~600V | |

Copyright © Itech Electronic Co., Ltd.

| | | | |
|---|---|---|---|
| ( 0 °C-40 °C) | current | 0~5A | |
| | power | 850W | 1500W |
| Load regulation ±(%of Output+Offset) | voltage | ≤0.01%+100mV | |
| | current | ≤0.1%+10mA | |
| Line regulation ±(%of Output+Offset) | voltage | ≤0.01%+50mV | |
| | current | ≤0.1%+10mA | |
| Setup resolution | voltage | 100mV | |
| | current | 10mA | |
| Readback resolution | voltage | 100mV | |
| | current | 10mA | |
| Setup accuracy (one year 、25°C±5°C) ±(%of Output+Offset) | voltage | ≤0.03%+200mV | |
| | current | ≤0.1%+20mA | |
| Readback accuracy (one year 、25°C±5°C) ±(%of Output+Offset) | voltage | ≤0.03%+200mV | |
| | current | ≤0.1%+20mA | |
| Ripple (20Hz -20MHz) | voltage | ≤300mVp-p | |
| | current | ≤30mArms | |
| Setup Temp.coefficient (%Output/°C+Offset) | voltage | 0.02%+100mV | |
| | current | 0.03%+10mA | |
| Readback Temp.coefficient (%Output/°C+Offset) | voltage | 0.02%+100mV | |
| | current | 0.03%+10mA | |
| Rise time(No-load) | voltage | ≤300mS | |
| Rise time(Full-load) | voltage | ≤1S | |
| Fall time(No-load) | voltage | ≤5S | |
| Fall time(Full-load) | voltage | ≤200mS | |
| Transient Response Time | ≤500uS | | |
| AC Input | voltage1 | 110V±10% | 220V±10% |
| | voltage2 | 220V±10% | / |
| | Frequency | 47HZ-63HZ | |
| Setup stability-30min (%of Output +Offset) | voltage | 0.03%+200mV | |
| | current | 0.1%+20mA | |
| Setup stability-8h (%of Output +Offset) | voltage | 0.03%+200mV | |
| | current | 0.1%+20mA | |
| Readback stability-30min (%of Output +Offset) | voltage | 0.03%+200mV | |
| | current | 0.1%+20mA | |
| Readback stability-8h (%of Output +Offset) | voltage | 0.03%+200mV | |
| | current | 0.1%+20mA | |
| Efficiency | 84% | 88% | |
| Fuse specification | 15A | | |
| Remote Sense Compensation | 1V | | |
| Command Response Time | 10-600mS | | |
| Power Factor | 0.98 | | |
| Maximum input current | 10A | | |
| Maximum input apparent power | 1100VA | 2000VA | |
| Storage temperature | -10℃~70℃ | | |

Copyright © Itech Electronic Co., Ltd.

| | |
|---|---|
| Protective function | OVP/OCP/OTP |
| standard Interface | GPIB/USB/RS232 |
| Isolation (output to ground) | 500V |
| Working temperature | 0~40℃ |
| Dimension(mm) | 214.5mmW×88.2mmH×445mmD |
| Weight(net) | 6Kg |

| Parameters | | IT6723H | IT6724H |
|---|---|---|---|
| Rated values ( 0 °C-40 °C) | voltage | 0~300V | |
| | current | 0~10A | |
| | power | 850W | 1500W |
| Load regulation ±(%of Output+Offset) | voltage | ≤0.01%+100mV | |
| | current | ≤0.1%+10mA | |
| Line regulation ±(%of Output+Offset) | voltage | ≤0.01%+50mV | |
| | current | ≤0.1%+10mA | |
| Setup resolution | voltage | 100mV | |
| | current | 10mA | |
| Readback resolution | voltage | 100mV | |
| | current | 10mA | |
| Setup accuracy (one year 、25°C±5°C) ±(%of Output+Offset) | voltage | ≤0.03%+200mV | |
| | current | ≤0.1%+20mA | |
| Readback accuracy (one year 、25°C±5°C) ±(%of Output+Offset) | voltage | ≤0.03%+200mV | |
| | current | ≤0.1%+20mA | |
| Ripple (20Hz -20MHz) | voltage | ≤250mVp-p | |
| | current | ≤40mArms | |
| Setup Temp.coefficient (%Output/°C+Offset) | voltage | 0.02%+100mV | |
| | current | 0.03%+20mA | |
| Readback Temp.coefficient (%Output/°C+Offset) | voltage | 0.02%+100mV | |
| | current | 0.03%+20mA | |
| Rise time(No-load) | voltage | ≤300mS | |
| Rise time(Full-load) | voltage | ≤1S | |
| Fall time(No-load) | voltage | ≤5S | |
| Fall time(Full-load) | voltage | ≤150mS | |
| Transient Response Time | ≤500uS | | |
| AC Input | voltage1 | 110V±10% | 220V±10% |
| | voltage2 | 220V±10% | / |
| | Frequency | 47HZ-63HZ | |
| Setup stability-30min (%of Output +Offset) | voltage | 0.03%+150mV | |
| | current | 0.1%+20mA | |
| Setup stability-8h (%of Output +Offset) | voltage | 0.03%+150mV | |
| | current | 0.1%+20mA | |
| Readback stability-30min (%of Output +Offset) | voltage | 0.03%+150mV | |
| | current | 0.1%+20mA | |
| Readback stability-8h (%of Output +Offset) | voltage | 0.03%+150mV | |
| | current | 0.1%+20mA | |

Copyright © Itech Electronic Co., Ltd.

| | | |
|---|---|---|
| **Efficiency** | **84%** | **88%** |
| **Fuse specification** | **15A** | |
| **Remote Sense Compensation** | **1V** | |
| **Command Response Time** | **10-600mS** | |
| **Power Factor** | **0.98** | |
| **Maximum input current** | **10A** | |
| **Maximum input apparent power** | **1100VA** | **2000VA** |
| **Storage temperature** | **-10℃~70℃** | |
| **Protective function** | **OVP/OCP/OTP** | |
| **standard Interface** | **GPIB/USB/RS232** | |
| **Isolation (output to ground)** | **500V** | |
| **Working temperature** | **0~40℃** | |
| **Dimension(mm)** | **214.5mmW×88.2mmH×445mmD** | |
| **Weight(net)** | **6Kg** | |

| **Parameters** | | **IT6724V** |
|---|---|---|
| **Rated values ( 0 °C-40 °C)** | **voltage** | **0~1200V** |
| | **current** | **0~2.5A** |
| | **power** | **1500W** |
| **Load regulation ±(%of Output+Offset)** | **voltage** | **≤0.01%+200mV** |
| | **current** | **≤0.1%+20mA** |
| **Line regulation ±(%of Output+Offset)** | **voltage** | **≤0.01%+100mV** |
| | **current** | **≤0.1%+20mA** |
| **Setup resolution** | **voltage** | **100mV** |
| | **current** | **10mA** |
| **Readback resolution** | **voltage** | **100mV** |
| | **current** | **10mA** |
| **Setup accuracy (one year 、25°C±5°C) ±(%of Output+Offset)** | **voltage** | **≤0.04%+400mV** |
| | **current** | **≤0.1%+20mA** |
| **Readback accuracy (one year 、25°C±5°C) ±(%of Output+Offset)** | **voltage** | **≤0.04%+400mV** |
| | **current** | **≤0.1%+20mA** |
| **Ripple (20Hz -20MHz)** | **voltage** | **≤1200mVp-p** |
| | **current** | **≤30mArms** |
| **Setup Temp.coefficient (%Output/°C+Offset)** | **voltage** | **0.02%+100mV** |
| | **current** | **0.03%+10mA** |
| **Readback Temp.coefficient (%Output/°C+Offset)** | **voltage** | **0.02%+100mV** |
| | **current** | **0.03%+10mA** |
| **Rise time(No-load)** | **voltage** | **≤50mS** |
| **Rise time(Full-load)** | **voltage** | **≤130mS** |
| **Fall time(No-load)** | **voltage** | **≤5S** |
| **Fall time(Full-load)** | **voltage** | **≤400mS** |
| **Transient Response Time** | The output voltage returned under 0.5% of the rated output voltage. **(10%-90%load)≤3Ms** | |
| **AC Input** | **voltage1** | **220V±10%** |
| | **voltage2** | **/** |

Copyright © Itech Electronic Co., Ltd.

| | | |
|---|---|---|
| | Frequency | 47HZ-63HZ |
| Setup stability-30min (%of Output +Offset) | voltage | 0.04%+200mV |
| | current | 0.1%+20mA |
| Setup stability-8h (%of Output +Offset) | voltage | 0.04%+200mV |
| | current | 0.1%+20mA |
| Readback stability-30min (%of Output +Offset) | voltage | 0.04%+200mV |
| | current | 0.1%+20mA |
| Readback stability-8h (%of Output +Offset) | voltage | 0.04%+200mV |
| | current | 0.1%+20mA |
| Efficiency | 88% | |
| Fuse specification | 25A | |
| Remote Sense Compensation | 1V | |
| Command Response Time | 10-600mS | |
| Power Factor | 0.98 | |
| Maximum input current | 20A | |
| Maximum input apparent power | 1900VA | |
| Protective function | -10℃~70℃ | |
| standard Interface | OVP/OCP/OTP | |
| standard Interface | GPIB/USB/LAN | |
| Isolation (output to ground) | 1500V | |
| Working temperature | 0~40℃ | |
| Dimension(mm) | 214.5mmW×88.2mmH×445mmD | |
| Weight(net) | 6Kg | |

| Parameters | | IT6726B |
|---|---|---|
| Rated values ( 0 °C-40 °C) | voltage | 0~160V |
| | current | 0~40A |
| | power | 3000W |
| Load regulation ±(%of Output+Offset) | voltage | ≤0.01%+50mV |
| | current | ≤0.1%+10mA |
| Line regulation ±(%of Output+Offset) | voltage | ≤0.01%+40mV |
| | current | ≤0.1%+10mA |
| Setup resolution | voltage | 100mV |
| | current | 10mA |
| Readback resolution | voltage | 100mV |
| | current | 10mA |
| Setup accuracy (one year 、25°C±5°C) ±(%of Output+Offset) | voltage | ≤0.03%+200mV |
| | current | ≤0.1%+40mA |
| Readback accuracy (one year 、25°C±5°C) ±(%of Output+Offset) | voltage | ≤0.03%+200mV |
| | current | ≤0.1%+40mA |
| Ripple (20Hz -20MHz) | voltage | ≤250mVp-p |
| | current | ≤50mArms |
| Setup Temp.coefficient (%Output/°C+Offset) | voltage | 0.02%+100mV |
| | current | 0.03%+20mA |
| Readback | voltage | 0.02%+200mV |

Copyright © Itech Electronic Co., Ltd.

| | | |
|---|---|---|
| Temp.coefficient (%Output/°C+Offset) | current | 0.03%+20mA |
| Rise time(No-load) | voltage | ≤500mS |
| Rise time(Full-load) | voltage | ≤2S |
| Fall time(No-load) | voltage | ≤10S |
| Fall time(Full-load) | voltage | ≤400mS |
| Transient Response Time | ≤500uS | |
| AC Input | voltage1 | 220V±10% |
| | voltage2 | / |
| | Frequency | 47HZ-63HZ |
| Setup stability-30min (%of Output +Offset) | voltage | 0.03%+200mV |
| | current | 0.1%+40mA |
| Setup stability-8h (%of Output +Offset) | voltage | 0.03%+200mV |
| | current | 0.1%+40mA |
| Readback stability-30min (%of Output +Offset) | voltage | 0.03%+200mV |
| | current | 0.1%+40mA |
| Readback stability-8h (%of Output +Offset) | voltage | 0.03%+200mV |
| | current | 0.1%+40mA |
| Efficiency | 88% | |
| Fuse specification | 20A | |
| Remote Sense Compensation | 1V | |
| Command Response Time | 10-600mS | |
| Power Factor | 0.98 | |
| Maximum input current | 18A | |
| Maximum input apparent power | 3700VA | |
| Storage temperature | -10℃~70℃ | |
| Protective function | OVP/OCP/OTP | |
| standard Interface | GPIB/USB/RS232 | |
| Isolation (output to ground) | 500V | |
| Working temperature | 0~40℃ | |
| Dimension(mm) | 482.5mmW×88.2mmH×548.9mmD | |
| Weight(net) | 16Kg | |

| Parameters | | IT6726C |
|---|---|---|
| Rated values ( 0 °C-40 °C) | voltage | 0~32V |
| | current | 0~220A |
| | power | 3000W |
| Load regulation ±(%of Output+Offset) | voltage | ≤0.01%+50mV |
| | current | ≤0.1%+30mA |
| Line regulation ±(%of Output+Offset) | voltage | ≤0.01%+50mV |
| | current | ≤0.1%+10mA |
| Setup resolution | voltage | 10mV |
| | current | 10mA |
| Readback resolution | voltage | 10mV |
| | current | 10mA |
| Setup accuracy | voltage | ≤0.03%+30mV |

Copyright © Itech Electronic Co., Ltd.

| | | |
|---|---|---|
| (one year 、25°C±5°C) ±(%of Output+Offset) | current | ≤0.2%+100mA |
| Readback accuracy (one year 、25°C±5°C) ±(%of Output+Offset) | voltage | ≤0.03%+30mV |
| | current | ≤0.2%+100mA |
| Ripple (20Hz -20MHz) | voltage | ≤200mVp-p |
| | current | ≤320mArms |
| Setup Temp.coefficient (%Output/°C+Offset) | voltage | 0.02%+10mV |
| | current | 0.03%+20mA |
| Readback Temp.coefficient (%Output/°C+Offset) | voltage | 0.02%+10mV |
| | current | 0.03%+20mA |
| Rise time(No-load) | voltage | ≤500mS |
| Rise time(Full-load) | voltage | ≤2S |
| Fall time(No-load) | voltage | ≤10S |
| Fall time(Full-load) | voltage | ≤400mS |
| Transient Response Time | ≤500uS | |
| AC Input | voltage1 | 220V±10% |
| | voltage2 | / |
| | Frequency | 47HZ-63HZ |
| Setup stability-30min (%of Output +Offset) | voltage | 0.03%+30mV |
| | current | 0.2%+60mA |
| Setup stability-8h (%of Output +Offset) | voltage | 0.03%+30mV |
| | current | 0.2%+60mA |
| Readback stability-30min (%of Output +Offset) | voltage | 0.03%+30mV |
| | current | 0.2%+60mA |
| Readback stability-8h (%of Output +Offset) | voltage | 0.03%+30mV |
| | current | 0.2%+60mA |
| Efficiency | 88% | |
| Fuse specification | 20A | |
| Remote Sense Compensation | 1V | |
| Command Response Time | 10-600mS | |
| Power Factor | 0.98 | |
| Maximum input current | 18A | |
| Maximum input apparent power | 3700VA | |
| Storage temperature | -10℃~70℃ | |
| Protective function | OVP/OCP/OTP | |
| standard Interface | GPIB/USB/RS232 | |
| Isolation (output to ground) | 500V | |
| Working temperature | 0~40℃ | |
| Dimension(mm) | 482.5mmW×88.2mmH×548.9mmD | |
| Weight(net) | 16Kg | |

| Parameters | | IT6726G | IT6726H |
|---|---|---|---|
| Rated values ( 0 °C-40 °C) | voltage | 0~600V | 0~300V |
| | current | 0~10A | 0~20A |

Copyright © Itech Electronic Co., Ltd.

| | | | |
|---|---|---|---|
| | power | 3000W | 3000W |
| Load regulation ±(%of Output+Offset) | voltage | ≤0.01%+100mV | ≤0.01%+100mV |
| | current | ≤0.1%+10mA | ≤0.1%+10mA |
| Line regulation ±(%of Output+Offset) | voltage | ≤0.01%+50mV | ≤0.01%+50mV |
| | current | ≤0.1%+10mA | ≤0.1%+10mA |
| Setup resolution | voltage | 100mV | 100mV |
| | current | 10mA | 10mA |
| Readback resolution | voltage | 100mV | 100mV |
| | current | 10mA | 10mA |
| Setup accuracy (one year 、25°C±5°C) ±(%of Output+Offset) | voltage | ≤0.03%+200mV | ≤0.03%+200mV |
| | current | ≤0.1%+20mA | ≤0.1%+30mA |
| Readback accuracy (one year 、25°C±5°C) ±(%of Output+Offset) | voltage | ≤0.03%+200mV | ≤0.03%+200mV |
| | current | ≤0.1%+20mA | ≤0.1%+30mA |
| Ripple (20Hz -20MHz) | voltage | ≤500mVp-p | ≤300mVp-p |
| | current | ≤50mArms | ≤50mArms |
| Setup Temp.coefficient (%Output/°C+Offset) | voltage | 0.02%+100mV | 0.02%+100mV |
| | current | 0.03%+10mA | 0.03%+10mA |
| Readback Temp.coefficient (%Output/°C+Offset) | voltage | 0.02%+100mV | 0.02%+100mV |
| | current | 0.03%+10mA | 0.03%+10mA |
| Rise time(No-load) | voltage | ≤500mS | ≤500mS |
| Rise time(Full-load) | voltage | ≤2S | ≤2S |
| Fall time(No-load) | voltage | ≤10S | ≤10S |
| Fall time(Full-load) | voltage | ≤400mS | ≤400mS |
| Transient Response Time | ≤500uS | | |
| AC Input | voltage1 | 220V±10% | |
| | voltage2 | / | |
| | Frequency | 47HZ-63HZ | |
| Setup stability-30min (%of Output +Offset) | voltage | 0.03%+200mV | 0.03%+200mV |
| | current | 0.1%+20mA | 0.1%+30mA |
| Setup stability-8h (%of Output +Offset) | voltage | 0.03%+200mV | 0.03%+200mV |
| | current | 0.1%+20mA | 0.1%+30mA |
| Readback stability-30min (%of Output +Offset) | voltage | 0.03%+200mV | 0.03%+200mV |
| | current | 0.1%+20mA | 0.1%+30mA |
| Readback stability-8h (%of Output +Offset) | voltage | 0.03%+200mV | 0.03%+200mV |
| | current | 0.1%+20mA | 0.1%+30mA |
| Efficiency | 88% | | |
| Fuse specification | 20A | | |
| Remote Sense Compensation | 1V | | |
| Command Response Time | 10-600mS | | |
| Power Factor | 0.98 | | |
| Maximum input current | 18A | | |
| Maximum input apparent power | 3700VA | | |
| Storage temperature | -10℃~70℃ | | |
| Protective function | OVP/OCP/OTP | | |

Copyright © Itech Electronic Co., Ltd.

| | |
|---|---|
| standard Interface | GPIB/USB/RS232 |
| Isolation (output to ground) | 500V |
| Working temperature | 0~40℃ |
| Dimension(mm) | 482.5mmW×88.2mmH×548.9mmD |
| Weight(net) | 16Kg |

| Parameters | | IT6726V |
|---|---|---|
| Rated values ( 0 °C-40 °C) | voltage | 0~1200V |
| | current | 0~5A |
| | power | 3000W |
| Load regulation ±(%of Output+Offset) | voltage | ≤0.01%+200mV |
| | current | ≤0.1%+20mA |
| Line regulation ±(%of Output+Offset) | voltage | ≤0.01%+100mV |
| | current | ≤0.1%+20mA |
| Setup resolution | voltage | 100mV |
| | current | 10mA |
| Readback resolution | voltage | 100mV |
| | current | 10mA |
| Setup accuracy (one year 、25°C±5°C) ±(%of Output+Offset) | voltage | ≤0.04%+200mV |
| | current | ≤0.1%+20mA |
| Readback accuracy (one year 、25°C±5°C) ±(%of Output+Offset) | voltage | ≤0.04%+200mV |
| | current | ≤0.1%+20mA |
| Ripple (20Hz -20MHz) | voltage | ≤600mVp-p |
| | current | ≤50mArms |
| Setup Temp.coefficient (%Output/°C+Offset) | voltage | 0.02%+100mV |
| | current | 0.03%+10mA |
| Readback Temp.coefficient (%Output/°C+Offset) | voltage | 0.02%+100mV |
| | current | 0.03%+10mA |
| Rise time(No-load) | voltage | ≤500mS |
| Rise time(Full-load) | voltage | ≤2S |
| Fall time(No-load) | voltage | ≤10S |
| Fall time(Full-load) | voltage | ≤400mS |
| Transient Response Time | ≤500uS | |
| AC Input | voltage1 | 220V±10% |
| | voltage2 | / |
| | Frequency | 47HZ-63HZ |
| Setup stability-30min (%of Output +Offset) | voltage | 0.04%+200mV |
| | current | 0.1%+20mA |
| Setup stability-8h (%of Output +Offset) | voltage | 0.04%+200mV |
| | current | 0.1%+20mA |
| Readback stability-30min (%of Output +Offset) | voltage | 0.04%+200mV |
| | current | 0.1%+20mA |
| Readback stability-8h (%of Output +Offset) | voltage | 0.04%+200mV |
| | current | 0.1%+20mA |
| Efficiency | 88% | |

Copyright © Itech Electronic Co., Ltd.

| | |
|---|---|
| **Fuse specification** | **20A** |
| **Remote Sense Compensation** | **1V** |
| **Command Response Time** | **10-600mS** |
| **Power Factor** | **0.98** |
| **Maximum input current** | **18A** |
| **Maximum input apparent power** | **3700VA** |
| **Storage temperature** | **-10℃~70℃** |
| **Protective function** | **OVP/OCP/OTP** |
| **standard Interface** | **GPIB/USB/RS232** |
| **Isolation (output to ground)** | **500V** |
| **Working temperature** | **0~40℃** |
| **Dimension(mm)** | **482.5mmW×88.2mmH×548.9mmD** |
| **Weight(net)** | **16Kg** |

*The above specifications may be subject to change without prior notice.

Copyright © Itech Electronic Co., Ltd.


CalPower
Via Acquanera, 29 22100 COMO
tel. 031.526.566 (r.a.) fax 031.507.984
info@calpower.it www.calpower.it