

Архангельск (8182)63-90-72  
Астана (7172)727-132  
Астрахань (8512)99-46-04  
Барнаул (3852)73-04-60  
Белгород (4722)40-23-64  
Брянск (4832)59-03-52  
Владивосток (423)249-28-31  
Волгоград (844)278-03-48  
Вологда (8172)26-41-59  
Воронеж (473)204-51-73  
Екатеринбург (343)384-55-89  
Иваново (4932)77-34-06

Ижевск (3412)26-03-58  
Иркутск (395)279-98-46  
Казань (843)206-01-48  
Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
Киров (8332)68-02-04  
Краснодар (861)203-40-90  
Красноярск (391)204-63-61  
Курск (4712)77-13-04  
Липецк (4742)52-20-81  
Киргизия (996)312-96-26-47

Магнитогорск (3519)55-03-13  
Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41  
Нижний Новгород (831)429-08-12  
Новокузнецк (3843)20-46-81  
Новосибирск (383)227-86-73  
Омск (3812)21-46-40  
Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
Пенза (8412)22-31-16  
Липецк (4742)52-20-81  
Казахстан (772)734-952-31

Пермь (342)205-81-47  
Ростов-на-Дону (863)308-18-15  
Рязань (4912)46-61-64  
Самара (846)206-03-16  
Санкт-Петербург (812)309-46-40  
Саратов (845)249-38-78  
Севастополь (8692)22-31-93  
Симферополь (3652)67-13-56  
Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
Ставрополь (8652)20-65-13  
Таджикистан (992)427-82-92-69

Сургут (3462)77-98-35  
Тверь (4822)63-31-35  
Томск (3822)98-41-53  
Тула (4872)74-02-29  
Тюмень (3452)66-21-18  
Ульяновск (8422)24-23-59  
Уфа (347)229-48-12  
Хабаровск (4212)92-98-04  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Ярославль (4852)69-52-93

<https://twintex.nt-rt.ru/> || [ttw@nt-rt.ru](mailto:ttw@nt-rt.ru)

## Triple Output Linear DC Power Supplies



Product No : TP2000PU\_Series

### Product Description

The TP2000PU series are linear DC power supplies with 3 channels, 195W to 325W output. In constant voltage and current operations, the power supply provides high regulation and low ripple & noise. Auto series and parallel operations double output voltage and current. A particular feature of the TP2000PU series is the USB output with fixed 5V/2A. The USB 5V/2A output can be used for charging various small electronic devices and for some special logic circuits. The output ON/OFF control and preset voltage & current function protect the power supply and related loads from unexpected damages. The TP2000PU series are widely used in applications of powering operational amplifier, push pull stages, logic circuit and definition systems.

- ★ Two independent adjustable outputs 0~30V/0~3A ×2, 0~30V/5A ×2, 0~50V/0~3A ×2
- ★ Fixed 2.5V/3.3V/5V/3A binding post output, and fixed 5V/2A USB output
- ★ Constant voltage and constant current operations
- ★ Low ripple and noise, low temperature drift
- ★ Auto Series and Parallel tracking operations
- ★ Output ON/OFF control
- ★ Preset voltage and current
- ★ High efficiency, high power density
- ★ Over load and reverse polarity protections
- ★ Dual-color four digital panel meters

Model		TP-2303PU	TP-2305PU	TP-2503PU
Output		0~30V/0~3A x2 Fixed 2.5/3.3/5V/3A Fixed 5V/2A	0~30V/0~5A x2 Fixed 2.5/3.3/5V/3A Fixed 5V/2A	0~50V/0~3A x2 Fixed 2.5/3.3/5V/3A Fixed 5V/2A
<b>Constant voltage operation</b>				
Line regulation		$\leq 0.01\% + 3\text{mV}$		
Load regulation		$\leq 0.01\% + 3\text{mV}$	$\leq 0.02\% + 5\text{mV}$	$\leq 0.01\% + 3\text{mV}$
Ripple & Noise		$\leq 1\text{mVrms}$	$\leq 2\text{mVrms}$	$\leq 1\text{mVrms}$
<b>Constant current operation</b>				
Line regulation		$\leq 0.2\% + 3\text{mA}$		
Load regulation		$\leq 0.2\% + 3\text{mA}$	$\leq 0.2\% + 5\text{mA}$	$\leq 0.2\% + 3\text{mA}$
Ripple & Noise		$\leq 3\text{mArms}$	$\leq 6\text{mArms}$	$\leq 3\text{mArms}$
<b>Tracking operation</b>				
Parallel	Line regulation	$\leq 0.01\% + 3\text{mV}$		
	Load regulation	$\leq 0.02\% + 5\text{mV}$		
Series	Line regulation	$\leq 0.01\% + 5\text{mV}$		
	Load regulation	$\leq 300\text{mV}$		
<b>Fixed output</b>				
Line regulation		$\leq 25\text{mV}$		
Load regulation		$\leq 25\text{mV}$		
Ripple & noise		$\leq 2.0\text{mVrms}$		
Protection		Over load and reverse polarity protections		
<b>Display</b>				
Voltmeter		3 digits LED display		
Ammeter		3 digits LED display		
Resolution		100mV/10mA		
Accuracy	Voltage	$\pm(0.5\% \text{ reading} + 2\text{digits})$		
	Current	$\pm(1\% \text{ reading} + 2\text{digits})$		
<b>Power source</b>		AC110V, AC220V or AC110V/220V $\pm 10\%$ , 50/60Hz		
<b>Operating environment</b>		0°C~40°C, $\leq 80\%RH$		
<b>Storage environment</b>		-10°C~70°C, $\leq 70\%RH$		
<b>Accessories</b>		Power cord x1, Operation manual x1		

**Архангельск** (8182)63-90-72  
**Астана** (7172)727-132  
**Астрахань** (8512)99-46-04  
**Барнаул** (3852)73-04-60  
**Белгород** (4722)40-23-64  
**Брянск** (4832)59-03-52  
**Владивосток** (423)249-28-31  
**Волгоград** (844)278-03-48  
**Вологда** (8172)26-41-59  
**Воронеж** (473)204-51-73  
**Екатеринбург** (343)384-55-89  
**Иваново** (4932)77-34-06

**Ижевск** (3412)26-03-58  
**Иркутск** (395)279-98-46  
**Казань** (843)206-01-48  
**Калининград** (4012)72-03-81  
**Калуга** (4842)92-23-67  
**Кемерово** (3842)65-04-62  
**Киров** (8332)68-02-04  
**Краснодар** (861)203-40-90  
**Красноярск** (391)204-63-61  
**Курск** (4712)77-13-04  
**Липецк** (4742)52-20-81  
**Киргизия** (996)312-96-26-47

**Магнитогорск** (3519)55-03-13  
**Москва** (495)268-04-70  
**Мурманск** (8152)59-64-93  
**Набережные Челны** (8552)20-53-41  
**Нижний Новгород** (831)429-08-12  
**Новокузнецк** (3843)20-46-81  
**Новосибирск** (383)227-86-73  
**Омск** (3812)21-46-40  
**Орел** (4862)44-53-42  
**Оренбург** (3532)37-68-04  
**Пенза** (8412)22-31-16  
**Казахстан** (772)734-952-31

**Пермь** (342)205-81-47  
**Ростов-на-Дону** (863)308-18-15  
**Рязань** (4912)46-61-64  
**Самара** (846)206-03-16  
**Санкт-Петербург** (812)309-46-40  
**Саратов** (845)249-38-78  
**Севастополь** (8692)22-31-93  
**Симферополь** (3652)67-13-56  
**Смоленск** (4812)29-41-54  
**Сочи** (862)225-72-31  
**Ставрополь** (8652)20-65-13  
**Таджикистан** (992)427-82-92-69

**Сургут** (3462)77-98-35  
**Тверь** (4822)63-31-35  
**Томск** (3822)98-41-53  
**Тула** (4872)74-02-29  
**Тюмень** (3452)66-21-18  
**Ульяновск** (8422)24-23-59  
**Уфа** (347)229-48-12  
**Хабаровск** (4212)92-98-04  
**Челябинск** (351)202-03-61  
**Череповец** (8202)49-02-64  
**Ярославль** (4852)69-52-93

<https://twintex.nt-rt.ru/> || [ttw@nt-rt.ru](mailto:ttw@nt-rt.ru)