

TP2000 SERIES

FEATURES

0~30V / 0~3A x2
 0~30V / 0~5A x2
 FIXED 5V / 3A



- Two independent adjustable outputs
- Constant voltage and constant current operations
- Auto CV and CC switch
- Low ripple and noise, low temperature drift
- Auto Series and Parallel tracking operations
- Output ON/OFF control
- Preset function, setting of voltage and current with output open circuit (TP-2303TK/2305TK)
- High efficiency, high power density
- Over load and reverse polarity protections
- Dual-color four digital panel meters



SPECIFICATIONS

Independent operation		Constant voltage	Constant current
Line regulation		≤0.01%+3mV	≤0.2%+3mA
Load regulation		≤0.01%+3mV (I≤3A); ≤0.02%+5mV (I>3A)	≤0.2%+3mA (I≤3A); ≤0.2%+5mA (I>3A)
Ripple & Noise (5Hz~1MHz)		≤1mVrms (I≤3A); ≤2mVrms (I>3A)	≤3mArms (I≤3A); ≤6mArms (I>3A)
Tracking operation			
Parallel	Line regulation	≤0.01%+3mV	
	Load regulation	≤0.01%+3mV (I≤3A); ≤0.02%+5mV (I>3A)	
Series	Line regulation	≤0.01%+5mV	
	Load regulation	≤300mV	
	Tracking error	≤0.5%+10mV of the master, no load (with load, add load regulation ≤300mV)	
Auxiliary output (fixed)			
Load regulation		≤25mV @110/220VAC rated input	
Ripple & noise (5Hz~1MHz)		≤2mVrms	
Display			
Resolution		100mV/10mA	
Accuracy		Real voltage and current output: ±(1% reading+2 digits) Preset voltage and current: ±(1% reading+8 digits)	
General			
Operating environment		0°C~40°C, ≤80%RH	
Storage environment		-10°C~70°C, ≤70%RH	
Power source		AC110V/220V±10%, 50/60Hz	
Accessories		Power cord x1, Operation manual x1	

SELECTION GUIDE

Model	TP-2303E	TP-2305E	TP-2303K	TP-2305K	TP-2303	TP-2305	TP-2303TK	TP-2305TK
Output voltage	0~30V x2	0~30V x2	0~30V x2	0~30V x2	0~30V x2	0~30V x2	0~30V x2	0~30V x2
Output current	0~3A x2	0~5A x2	0~3A x2	0~5A x2	0~3A x2	0~5A x2	0~3A x2	0~5A x2
Fixed output			5V+0.25V/3A		5V+0.25V/3A		5V+0.25V/3A	
Preset V&I							√	
Output ON/OFF			√		√		√	
Tracking operation	√		√		√		√	
Dimension (WxHxD)	255x155x330mm				255x155x370mm			
Weight	7.5kg	8kg	7.5kg	8kg	8kg	9kg	8kg	9kg

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
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General		
Operating environment	0°C~40°C, ≤80%RH	
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Power source	AC110V/220V±10%, 50/60Hz	
Accessories	Power cord x1, Operation manual x1	

SELECTION GUIDE

Model	TP-30102	TP-60052
Output voltage	0~30V x2	0~60V x2
Output current	0~10A x2	0~5A x2
Resolution	100mV/10mA	100mV/10mA
Fixed output		
Preset V&I	√	√
Output ON/OFF	√	√
Tracking operation	√	√
Dimension (WxHxD)	255x155x460mm	255x155x460mm
Weight	16kg	16kg

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