

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

COSEL **Unit type**

P600E

Ordering information

P ① 600 ② E ③ -5 ④ -□ ⑤

①Series name
②Output wattage
③UL recognized,TÜV approved,
CSA certified:E
④Output voltage
⑤Optional ＊3
C :with Coating
G :Low leakage current
R :Positive logic control

RoHS



MODEL	P600E-5	P600E-12	P600E-15	P600E-18	P600E-24	P600E-30	P600E-48
MAX OUTPUT WATTAGE[W]	600	636	645	612	648	600	624
DC OUTPUT	5V 120A	12V 53A	15V 43A	18V 34A	24V 27A	30V 20A	48V 13A

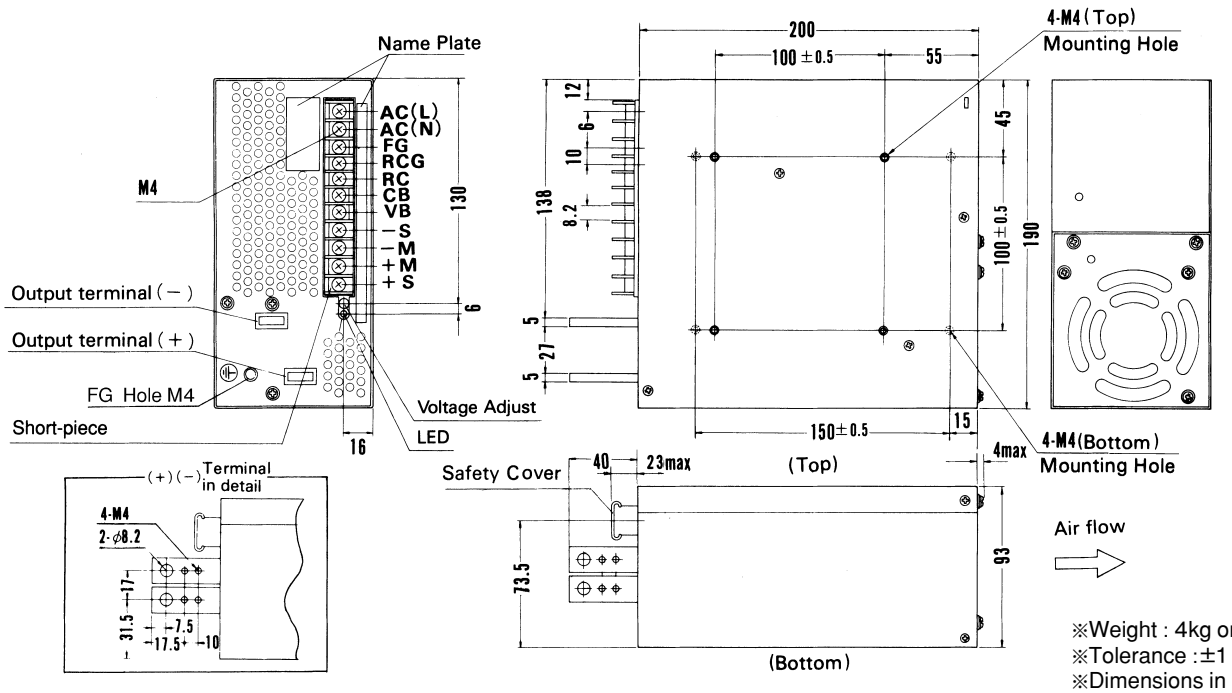
SPECIFICATIONS

	MODEL		P600E-5	P600E-12	P600E-15	P600E-18	P600E-24	P600E-30	P600E-48
INPUT	VOLTAGE[V]		AC85 - 132 / 170 - 264 1φ (Auto-selectable)						
	CURRENT[A]	ACIN 100V ＊1	11typ (Io=100%)						
		ACIN 200V ＊1	6typ (Io=100%)						
	FREQUENCY[Hz]		47 - 63						
	EFFICIENCY[%]		77typ	80typ	81typ	80typ	84typ	81typ	80typ
	INRUSH CURRENT[A]	ACIN 100V	30/50typ (Io=100%) (Primary inrush current /Secondary inrush current)						
		ACIN 200V	60/50typ (Io=100%) (Primary inrush current /Secondary inrush current)						
OUTPUT	VOLTAGE[V]		5	12	15	18	24	30	48
	CURRENT[A]		120	53	43	34	27	20	13
	MAX OUTPUT WATTAGE[W]		600	636	645	612	648	600	624
	LINE REGULATION[mV]		20max	48max	60max	72max	96max	120max	192max
	LOAD REGULATION[mV]		40max	100max	120max	144max	150max	180max	300max
	RIPPLE[mVp-p] ＊2		80max	120max	120max	120max	120max	150max	150max
	RIPPLE NOISE[mVp-p] ＊2		120max	150max	150max	150max	150max	200max	400max
	TEMPERATURE REGULATION[mV]	0 to +50℃	50max	120max	150max	180max	240max	300max	480max
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		±10%						
	START-UP TIME[ms]		300max (ACIN 85/170V, Io=100%)						
	HOLD-UP TIME[ms]		20typ (ACIN 85/170V, Io=100%)						
PROTECTION CIRCUIT	OVERCURRENT PROTECTION		Works over 105% of rating and recovers automatically						
	OVERVOLTAGE PROTECTION		Works at 115 - 140% of rating						
ISOLATION	INPUT-OUTPUT · RC		AC3,000V 1minute, Cutoff current = 10mA, DC500V 50MΩmin (At Room Temperature)						
	INPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩmin (At Room Temperature)						
	OUTPUT · RC-FG		AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩmin (At Room Temperature)						
	OUTPUT-RC		AC100V 1minute, Cutoff current = 100mA, DC100V 50MΩmin (At Room Temperature)						
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE		0 to +60℃, 30 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max						
	STORAGE TEMP.,HUMID.AND ALTITUDE		-20 to +75℃, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max						
	VIBRATION		10 - 55Hz, 19.6m/s² (2G), 3minutes period, 30minutes each along X, Y and Z axis						
	IMPACT		196.1m/s² (20G), 11ms, once each X, Y and Z axis						
SAFETY AND NOISE REGULATIONS	AGENCY APPROVALS		UL60950-1, EN60950-1, EN50178, CSA C22.2 No.60950-1 Complies with DEN-AN and IEC60950-1						
	CONDUCTED NOISE		Complies with FCC-A						

＊1 The input current of the agency approved unit is indicated as 11.6A (ACIN 100V) or 6.2A (ACIN 200V).
＊2 According to 15MHz oscilloscope or Ripple-Noise meter(equivalent to KEISOKU-GIKEN : RM101).
＊3 Please contact us about safety approvals for the model with option.

P

External view



※Weight : 4kg or less
※Tolerance : ±1
※Dimensions in mm.
※Mounting torque:1.5N·m (16kgf·cm) max

Performance data

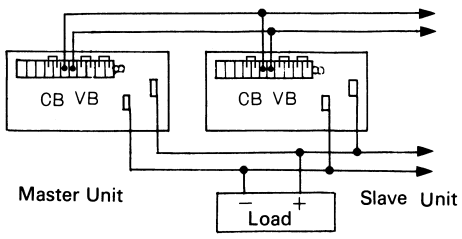
■Automatic Input Voltage Selector

Requires no manual adjusutment (wire or Short-pieces). P600 unit detects input voltage then select circuit to match applied input voltage.

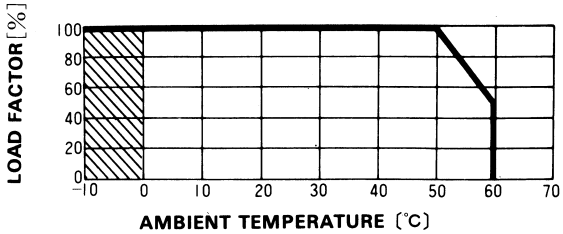
■Automatic Current sharing

- Output voltage is controlled by a potentiometer in master unit. Turn slave unit's potentiometer clock wise all the way to the end.
- Maximun output current can be determined by using the following formula: Total output current = 0.9 × (Rated current per unit) × Number of units paralleled
- Five units maximum for the parallel operation.

● Example



■DERATING CURVE



* The shadow indicates the region where different specifications for ripple noise should be used.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP