

PSU Series Specifications

Model		PSU	6-400	12.5-240	20-152	40-76	60-50	100-30	150-20	300-10	400-7.6	600-5.2
Rated output voltage (*1)		V	6	12.5	20	40	60	100	150	300	400	600
Rated output current (*2)		A	400	240	152	76	50	30	20	10	7.6	5.2
Rated output power		W	2400	3000	3040	3040	3000	3000	3000	3000	3040	3120

[illegible]

Constant Current Mode		PSU	6-400	12.5-240	20-152	40-76	60-50	100-30	150-20	300-10	400-7.6	600-5.2
Line regulation (*3)		mA	0.05% of rated output current									
Load regulation (*11)		mA	0.075% of rated output current									
Load regulation thermal drift			Less than 0.1% of rated output current over 30 minutes following load change.									
Ripple and noise (*12)	r.m.s.	mA	850	650	520	185	107	69	58	30	20	15
Temperature coefficient		ppm/°C	100ppm/°C after a 30 minute warm-up									
Temperature stability			0.05% of rated output current over 8hrs interval following 30 minutes warm-up. Constant line, load & temp.									
Warm-up drift			6~12.5V model : Less than 0.5% rated output current over 30 minutes following power on. 20~600V model : Less than 0.25% rated output current over 30 minutes following power on.									

[illegible]

Environmental Conditions		PSU	6-400	12.5-240	20-152	40-76	60-50	100-30	150-20	300-10	400-7.6	600-5.2
Operaing temperature			0 °C to 50 °C (*14)									
Storage temperature			-25 °C to 70 °C									
Operating humidity			20% to 85% RH; No condensation									
Storage humidity			90% RH or less; No condensation									
Altitude			Maximum 2000m									

General Specifications		PSU	6-400	12.5-240	20-152	40-76	60-50	100-30	150-20	300-10	400-7.6	600-5.2
Weight	main unit only	kg	Less than 20kg									
Dimensions	(W×H×D)	mm^3	423×87.2×447.2									
Cooling			Forced air cooling by internal fan.									
EMC												
Safety												
Withstand voltage			AC to Chassis : 1500Vac / 1min AC to Output terminal : 3000Vac / 1min Vout ≤ 150V Output terminal to Chassis : 1000Vdc / 1min 150<Vout ≤ 600 Output terminal to Chassis : 1500Vdc / 1min									
Insulation resistance			Chassis and output terminal; chassis and AC input; AC input and output terminal: 100MΩ or more (DC 1000V)									

Notes:

(*1) Minimum voltage is guaranteed to maximum 0.2% of the rated output voltage.
(*2) Minimum current is guaranteed to maximum 0.4% of the rated output current.
(*3) Single phase 200V models : 170-265Vac.
(*4) From No-load to Full-load, constant input voltage. Measured at the sensing point in Remote Sense.
(*5) Measured at rated output voltage and current with JEITA RC-9131B probe.
(*6) Measurement frequency bandwidth is 10Hz to 20MHz.
(*7) Measurement frequency bandwidth is 5Hz to 1MHz.
(*8) From 10% to 90% of rated output voltage, with rated resistive load.
(*9) From 90% to 10% of rated output voltage, with rated resistive load.
(*10) Time for output voltage to recover within 2% of its rated output for a load change from 50 to 100% of its rated output current. Voltage set point from 10% to 100% of rated output.
(*11) For load voltage change, equal to the unit voltage rating, constant input voltage.
(*12) For 6V~20V model the ripple is measured at 2V ~ rated output voltage and full output current. For other models, the ripple is measured at 10 ~ 100% output voltage and full output current.
(*13) At rated output power.
(*14) If install the front panel filter kit, the temperature is guaranteed to 40 °C.