

### FEATURES

- \* 85 to 264VAC universal input
- \* High efficiency up to 85%
- \* Low EMI, meeting FCC B, CISPR B
- \* Low cost, Type open frame, cover
- \*RoHS correspond

### SAFETY STANDARDS

- UL60950-1 Recognized
- CSA22.2 No.60950-1 Certified (cUL)
- EN60950-1 (NEMKO Certified)
- CE mark (LVD only)



### APPLICATIONS

- \*Data/information processing equipment
  - \*FA control equipment
  - \*Measuring, inspection and testing equipment
  - \*Communication equipment
  - \*Optical equipment
- \*Peak Loads (for Motor Drive, Lamp) \*6

### PSW60 SPECIFICATIONS

ITEM		PSW60-5	PSW60-15	PSW60-24	PSW60-36	PSW60-48
1	Rated output DC voltage	5V	15V	24V	36V	48V
2	Rated output DC current (Peak *6)	12A(-)	4A(-)	2.5A(3.8A)	1.7A(2.5A)	1.3A(1.9A)
3	Maximum output power (Peak *6)	60W(-)	60W(-)	60W(91.2W)	51.2W(90W)	62.4W(91.2W)
4	Efficiency (120/230VAC, TYP)	*1 79%/74%	82%/77%	83%/78%	84%/79%	85%/80%
5	Maximum ripple noise	120mVpp	150mVpp	150mVpp	150mVpp	150mVpp
6	Over current protection	*3 12.2A ~	4.2A ~	4.0A ~	2.6A ~	2.0A ~
7	Over voltage protection	*4 5.75V ~	17.3V ~	27.6V ~	41.4V ~	55.2V ~
8	Input voltage range	85V ~ 264VAC				
9	Input frequency range	47Hz ~ 63Hz				
10	Input current	*1 1.6A (100VAC), 0.9A(230VAC)				
11	Inrush current	*2 20Apk MAX (120VAC), 40Apk MAX (240VAC)				
12	Adjustable voltage range	*1 ±5% MIN				
13	Hold-up time	*5 20ms MIN				

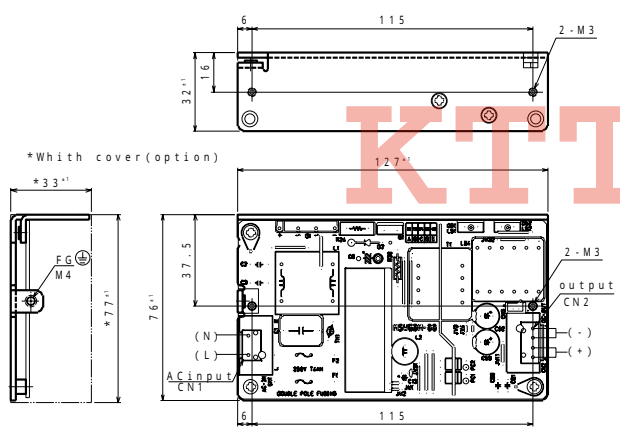
### NOTES

- \*1 When maximum output is worked
- \*2 When cold start works with rated voltage at 25°C ambient temperature
- \*3 Recovers automatically
- \*4 Recovers on input again
- \*5 When maximum output is worked, after last AC line peak
- \*6 (Peak) : Peak Loads for 10 seconds or less are acceptable.

**PSW60 GENERAL SPECIFICATIONS**

ITEM		
1	Maximum line / load regulation	±0.5%
2	Voltage tolerance ratio	±3% at line, load, time, temperature
3	Operating temperature	-10 ~ 60°C (Refer to Output derating)
4	Operating humidity	30 ~ 90%RH (Non condensing)
5	Storage temperature	-30 ~ 85°C
6	Storage humidity	10 ~ 95%RH (Non condensing)
7	Cooling	Convection or forced air cooling (Refer to Output derating)
8	Electric strength voltages	Input – Output 3000VAC 1 minute, Input –FG 1500VAC 1 minute, Output –FG 500VAC 1 minute
9	Insulation resistance	100MΩ MIN DC500V 25°C 70%RH Input – Output, input –FG, Output –FG
10	Leakage current	0.5mA MAX (240VAC, 50Hz)
11	Vibration	10 ~ 55Hz 2G (3 directions each 1 hour)
12	Shock	20ms 20G (3 directions each 3times)
13	Safety standards	UL60950-1, CSA60950-1 (cUL), EN60950-1 (NEMKO) Approvals
14	Conduction noise	Meeting FCC Class B, EN55022 Class B, VCCI Class B
15	Mains surge	Meeting EN61000-4-5 Level 3/4KV(CM), 2KV(DM)
16	Dimensions	127(W) 76(D) 32(H) mm/ 5.00”(W) 3.00”(D) 1.26”(H)
17	Weight	255g / 0.57lb. TYP

**PSW60 OUTLINE DRAWING**



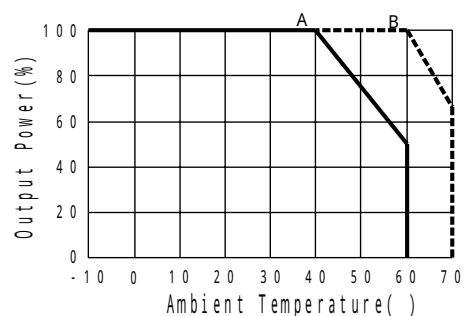
**Connectors Used**

Part Description	Part Name	Manufacturer	Q.T.Y
CN1 Pin Header (Input side)	B2P3-VH	JST	1
	or T7094	EMUDEN	
CN2 Pin Header (Output side)	B4P-VH	JST	1
	or T7094	EMUDEN	

**Matching Housings and Pins (Not included with the product)**

Part Description	Part Name	Manufacturer	Q.T.Y
CN1 Socket Housing	VHR-3N	JST	1
CN2 Socket Housing	VHR-4N	JST	1
(CN1, CN2) Terminal Pins	BVH-21T-P1.1	JST	6

**PSW60 OUTPUT DERATING**



A: Conv. With Cover(option)  
 Conv. Open Frame  
 B: Recommended minimum air  
 Vrocity 0.7m3/minute

**Mounting Direction (conv)**

