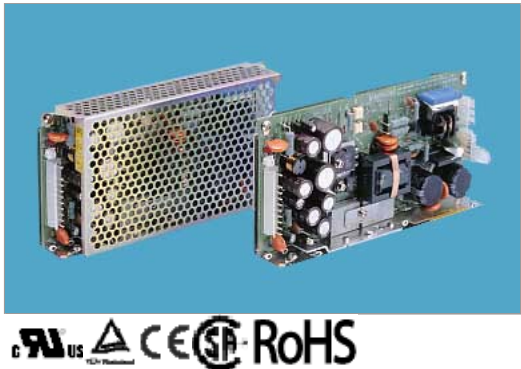


PMC50E



Features

- Universal input (AC85-264V)
- V1 isolated from V2 and V3
- Small and compact size
- PMC50E, 75E, 100E : AC85 - 132V/AC170 - 264V)
- Built-in Inrush Current Protection
- Stabilized output voltage (V1, V2, V3)
- Built-in Over Voltage Protection
- RoHS Compliant

Safety Agency Approvals

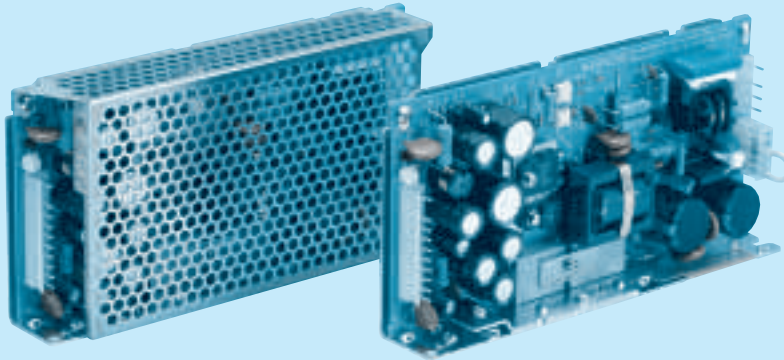
- Complies with DEN-AN
- UL1950
- CSA
- EN60950
- VDE0160

EMI Compliance

- FCC-B

3 year warranty(refer to Instruction Manual)

Model	Input Voltage [V]	Output Wattage [W]	DC Output [V/A]
PMC50E-1-XULA	DC 220 - 370 AC 85 - 264	44.2 (peak 53.2)	-12 - 12V 0.35 - 5A (peak 2A)
PMC50E-2-XULA	DC 220 - 370 AC 85 - 264	44.2 (peak 53.2)	-15 - 15V 0.35 - 5A (peak 2A)
PMC50E-4-XULA	DC 220 - 370 AC 85 - 264	45.8 (peak 55.4)	-12 - 12V 0.2 - 7A (peak 1.5A)



- ① Series name
 ② Output wattage
 ③ UL recognized, TÜV approved, CSA certified
 : E
 ④ Output voltage combination
 ⑤ Optional
 C : with Coating
 N : with Cover

PMC

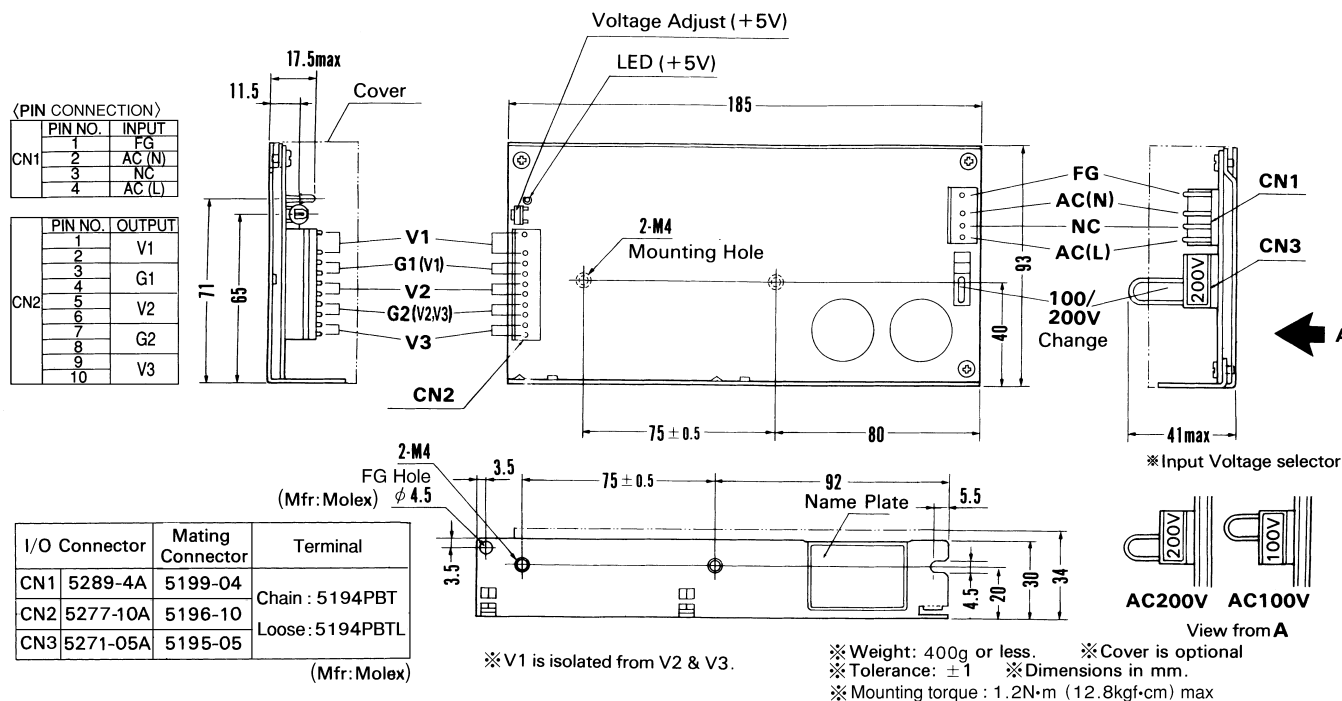
MODEL		PMC50E-1-XULA	PMC50E-2-XULA	PMC50E-4-XULA
DC OUTPUT	V1	+5V 5.0A	+5V 5.0A	+5V 7.0A
	V2	+12V 1.25(Peak 2.0)A	+15V 1.0A	+12V 0.7(Peak 1.5)A
	V3	-12V 0.35A	-15V 0.35A	-12V 0.2A

SPECIFICATIONS

	MODEL	PMC50E-1-XULA			PMC50E-2-XULA			PMC50E-4-XULA			
INPUT	VOLTAGE[V]		AC85 - 132 / 170 - 264 1ϕ (User-selectable) or DC220 - 370								
	CURRENT[A]	ACIN 100V	1.4typ (Io=100%) User-selectable								
		ACIN 200V	0.7typ (Io=100%) User-selectable								
	FREQUENCY[Hz]		47 - 440								
	EFFICIENCY[%]	ACIN 100V	70typ (Io=100%)								
		ACIN 200V	40typ (Io=100%) (At cold start)								
OUTPUT	VOLTAGE[V]		+5	+12	-12	+5	+15	-15	+5	+12	-12
	CURRENT[A]		0.75 - 5	0-1.25(Peak2.0)	0 - 0.35	0.75 - 5	0 - 1.0	0 - 0.35	0.75 - 7	0-0.7(Peak1.5)	0 - 0.2
	MINIMUM CURRENT[A]		0.75	0	0	0.75	0	0	0.75	0	0
	LINE REGULATION[mV]		20max	48max	48max	20max	60max	60max	20max	48max	48max
	LOAD REGULATION[mV]		40max	150max	150max	40max	150max	150max	40max	150max	150max
	RIPPLE[mVp-p]		80max	120max	120max	80max	120max	120max	80max	120max	120max
	RIPPLE NOISE[mVp-p]		120max	150max	150max	120max	150max	150max	120max	150max	150max
	TEMPERATURE REGULATION[mV] 0 to +50℃		50max	350max	350max	50max	350max	350max	50max	350max	350max
	START-UP TIME[ms]		100max (ACIN 85V, Io=100%)								
	HOLD-UP TIME[ms]		10typ (ACIN 85V, Io=100%) 20typ (ACIN 100V, Io=100%)								
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		5.00 - 5.25	Fixed	Fixed	5.00 - 5.25	Fixed	Fixed	5.00 - 5.25	Fixed	Fixed
	PROTECTION CIRCUIT	OUTPUT VOLTAGE SETTING[V]		——	11.4 to 12.6	-11.4 to -12.6	——	14.25 to 15.75	-14.25 to -15.75	——	11.4 to 12.6
OVERCURRENT PROTECTION		Works at over 105% of rating (V2 works at peak current)and recovers automatically									
ISOLATION	OVERVOLTAGE PROTECTION		Works at 115 - 140% of rating (+5V)								
	INPUT-OUTPUT		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-FG		AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩmin (At Room Temperature)								
	OUTPUT-OUTPUT(V1-V2,V3)		AC100V 1minute, Cutoff current = 100mA, DC100V 10MΩmin (At Room Temperature)								
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE		-10 to +65℃, 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max								
	STORAGE TEMP.,HUMID.AND ALTITUDE		-25 to +75℃, 20 - 95%RH (Non condensing), 9,000m (30,000feet) max								
	VIBRATION		10 - 55Hz, 19.6m/s ² (2G), 3minutes period, 30minutes each along X, Y and Z axis								
	IMPACT		196.1m/s ² (20G), 11ms, once each X, Y and Z axis								
SAFETY AND NOISE REGULATIONS	AGENCY APPROVALS		UL60950-1, CSA C22.2 No.950, EN60950-1, EN50178 Complies with IEC60950-1 and DEN-AN								
	CONDUCTED NOISE		Complies with FCC-B								

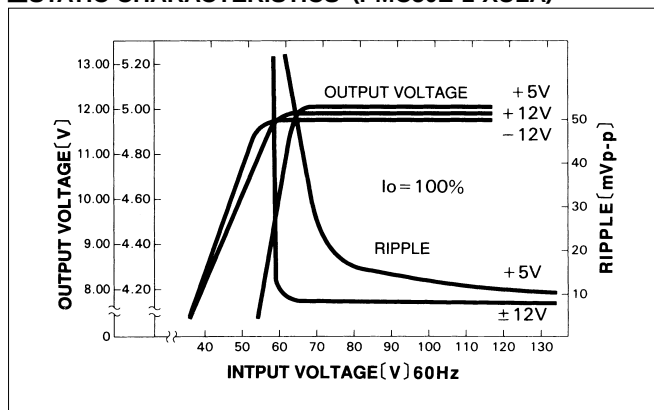
- * Series/Parallel operation with other model is not possible.
 * When units are operated with chassis and cover, derating is required.

External view

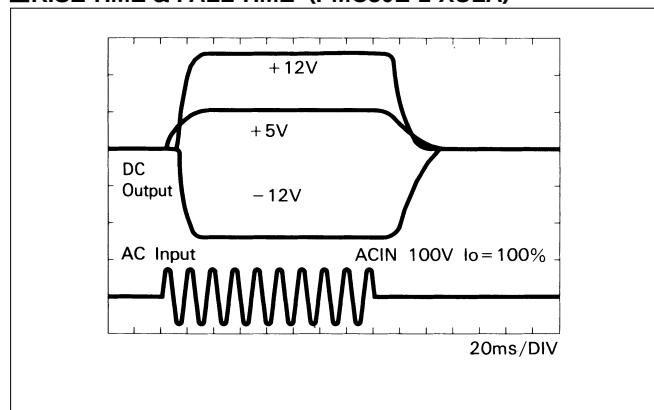


Performance data

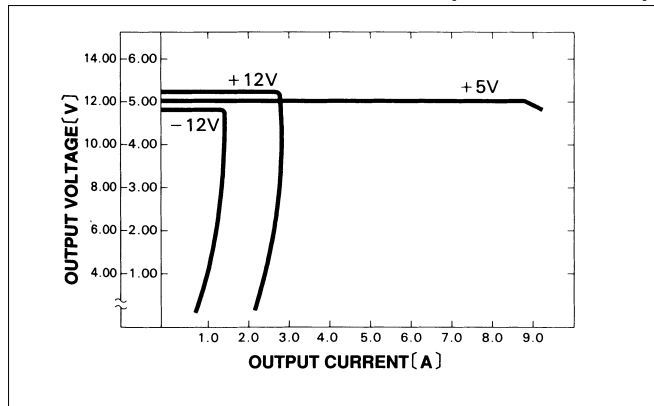
■ STATIC CHARACTERISTICS (PMC50E-1-XULA)



■ RISE TIME & FALL TIME (PMC50E-1-XULA)



■ OVERCURRENT CHARACTERISTICS (PMC50E-1-XULA)



■ DERATING CURVE

