

*Make sure necessary tests will be carried out on your end equipment with the power supply installed in accordance with any required EMC/EMI regulations.

MODEL	FETA2500BA-36	FETA2500BA-48
MAX OUTPUT WATTAGE[W] *1	1980	2496
DC OUTPUT	36V 55A	48V 52A

SPECIFICATIONS

	MODEL		FETA2500BA-36	FETA2500BA-48
	VOLTAGE[V]		AC170 - 264 1 ϕ (Output derating is required at AC	C170V - 180V. Refer to instruction manual 4.2)
	CURRENT[A]	ACIN 200V	11.3typ	13.8typ
	FREQUENCY[Hz]		50 / 60 (47 - 63)	
			80typ (lo=10%)	83typ (lo=10%)
IDUT			87typ (lo=20%)	89typ (lo=20%)
INPUT	EFFICIENCY[%]	ACIN 230V	91typ (lo=50%)	92.5typ (lo=50%)
			90typ (lo=100%)	91.5typ (lo=100%)
	POWER FACTOR	ACIN 230V	0.98typ (lo=100%)	
	INRUSH CURRENT[A]	ACIN 200V *2	20max / 60max (Primary inrush current /Secondary inrush current) (More than 10 sec. to re-start)	
	LEAKAGE CURRENTIMA1		0.85max (ACIN 240V 60Hz, Io=100%, According to IEC60950-1)	
	VOLTAGE[V]		36	48
	• • •	ACIN 170V-180V	Output derating is required at ACIN 180V or less (10
	CURRENT[A]	ACIN 180V-264V	55	52
	LINE REGULATION		144max	192max
	LOAD REGULATION		360max	480max
	LOAD REGULATION	0 to +50℃ *3	300max	360max
	RIPPLE[mVp-p]			
			360max	480max
	RIPPLE NOISE[mVp-p]		360max	480max
UTPUT		-10 to 0℃ *3	looniax	600max
	TEMPERATURE REGULATION[mV]	0 to +50℃	360max	480max
		-10 to +50℃	440max	600max
	DRIFT[mV]	*4	144max	192max
	START-UP TIME[s]		1.7max (ACIN 200V, Io=100%)	
	HOLD-UP TIME[ms]	ACIN 200V	10typ (lo=100%)	
	HOLD-OP TIME[IIIS] ACIN 200V		20typ (Io=50%)	
	OUTPUT VOLTAGE ADJUSTM		28.80 - 39.60	38.40 - 52.80 *6
	OUTPUT VOLTAGE SET	TING[V]	36.00 - 37.44	48.00 - 49.92
	OVERCURRENT PROTECTION		Activate over 105% - 120% of rated current and re	covers automatically.
DOTEOTION	OVERCORRENT PROT	ECTION	(Output voltage shuts down when the output voltage continuously drops due to overcurrent protection.) *7	
ROTECTION	OVERVOLTAGE PROTEC	CTION[V] *7	42.00 - 45.00	56.00 - 60.00
IRCUIT AND	DC_OK LAMP		LED (Green)	
THERS	ALARM LAMP		LED (Amber)	
	REMOTE ON/OFF		Provided	
	INPUT-OUTPUT AUX	RC·WRN·PG	AC3,000V 1minute, Cutoff current = 25mA, DC500V 50M Ω min (At room temperature)	
	INPUT-FG		AC2.000V 1minute, Cutoff current = 25mA, DC500V 50M Ω min (At room temperature)	
OLATION	OUTPUT·AUX·RC·WR	N·PG-FG	AC500V 1minute, Cutoff current = 100mA, DC500V 50M Ω min (At room temperature)	
	OUTPUT-AUX RC·WRN·PG		AC100V 1minute, Cutoff current = 100mA, DC100V 50M Ω min (At room temperature)	
	OPERATING TEMP., HUMID.AND ALTITUDE		$-10 \text{ to } +70^{\circ}\text{C}$ (Output derating is required), 20 - 90%RH (Non condensing), 3,000m (10,000 feet) max	
	STORAGE TEMP., HUMID.AND ALTITUDE		-10 to +70 C (Output defailing is required), 20 - 90 %RH (Non condensing), 3,000 ret) max	
VIRONMENT	,		10 - 55Hz, 19.6m/s ² (2G), 3minutes period, 60minutes each along X, Y and Z axis	
	VIBRATION			
			196.1m/s ² (20G), 11ms, once each along X, Y and Z axis	
FETY AND	AGENCY APPROVALS		UL60950-1, C-UL (CSA60950-1), EN60950-1	
DISE REGULATIONS			Complies with FCC Part15-A, CISPR22-A, EN55011-A, EN55022-A, VCCI-A	
	HARMONIC ATTENUATOR		Complies with IEC61000-3-2 Class A *8	
OTHERS	CASE SIZE/WEIGHT	*9	102×41×340mm [4.02×1.61×13.39 inches] (W	×H×D) / 2.3kg max
	COOLING METHOD		Forced cooling (internal fan)	

*7

AUX output power is not included. *1

150mm from the output terminal.

The current of input surge to a built-in noise filter (0.2ms or less) is excluded. Measured by 500MHz oscilloscope. *2 *3

Ripple and ripple noise is measured on measuring board with capacitor of $22\mu\text{F}$ within Drift is the change in DC output for an eight hour period after a half-hour warm-up at $25\degree$,

remote control. Please contact us about another class. *8

Output voltage recovers from protection by shutting down the input voltage and waiting

more than 10 seconds then turning on AC input again, or turning off the output voltage by

Case size contains neither the terminal blocks, connector and screw. To meet the specifications, do not operate over-loaded condition. *9

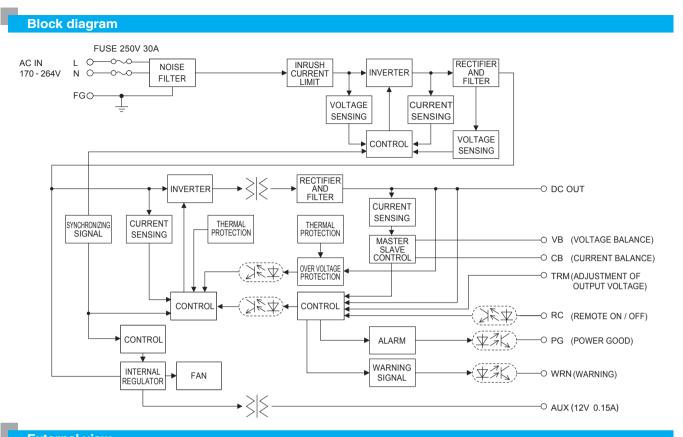
A sound may occur from power supply at peak loading.

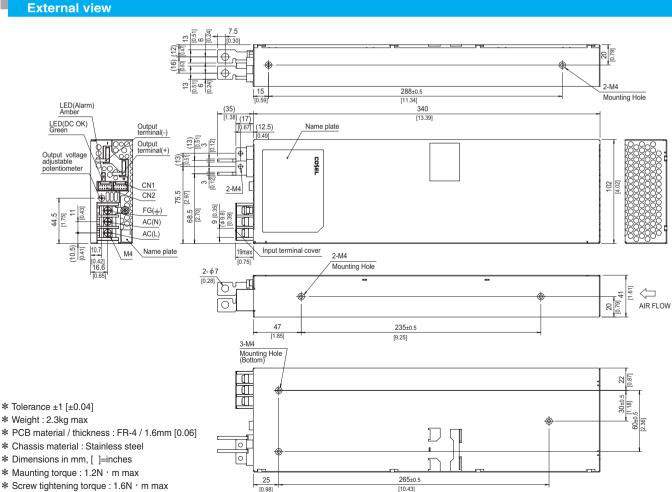
with the input voltage held constant at the rated input/output. *5

Can't be used above the rated output current and the rated output power. When the output voltage is adjusted to higher than 49.92V and the load factor is over 70% *6 of the rated current, if the load current changes quickly (< 200msec), the output voltage drops approximately 5V below the setting voltage.

*4

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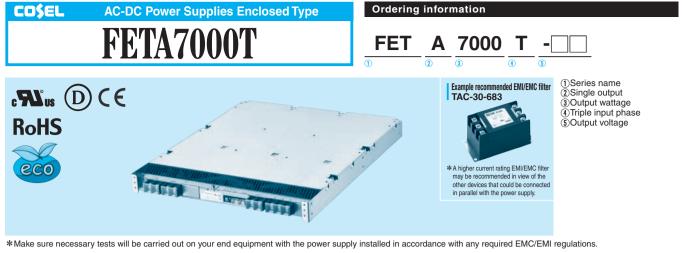




[0.98]

* Please connect safety ground to FG terminal on the unit.

[10.43]



MODEL	FETA7000T-48	FETA7000T-144
MAX OUTPUT WATTAGE[W] *1	7113	7488
DC OUTPUT	48V 148.2A	144V 52A

SPECIFICATIONS

	MODEL		FETA7000T-48	FETA7000T-144	
	VOLTAGE[V]		AC170 - 264 3 ¢ (Output derating is required at AC17	0V - 180V. Refer to instruction manual 4.2)	
	CURRENT[A]	ACIN 200V	22.7typ	23.9typ	
	FREQUENCY[Hz]		50 / 60 (47 - 63)		
NPUT	EFFICIENCY[%]	ACIN 230V	90.5% (lo=100%)	90.5% (lo=100%)	
	POWER FACTOR	ACIN 230V	0.98typ (lo=100%)	· · · · · ·	
	INRUSH CURRENT[A]	ACIN 200V *2	30max / 60max (Primary inrush current /Secondary in	30max / 60max (Primary inrush current /Secondary inrush current) (More than 10 sec. to re-start)	
	LEAKAGE CURRENT[mA]		3.0max (ACIN 240V 60Hz, lo=100%, According to IEC60950-1)		
	VOLTAGE[V]		48	144	
		ACIN 170V-180V	Output derating is required at ACIN 180V or less (refe	r to instruction manual 4.2)	
		ACIN 180V-264V	148.2	52	
	LINE REGULATION	mV]	192max	360max	
	LOAD REGULATION[mV]		960max	1800max	
		0 to +40℃ *3	360max	720max	
	RIPPLE[mVp-p]	-10 to 0°C *3	480max	960max	
		0 to +40°C *3	480max	960max	
OUTPUT	RIPPLE NOISE[mVp-p]	-10 to 0°C *3	600max	1200max	
		0 to +40℃	480max	2200max	
	TEMPERATURE REGULATION[mV]	-10 to +40℃	600max	2800max	
	DRIFT[mV]	*4	192max	384max	
	START-UP TIME[s]		1.7max (ACIN 200V, Io=100%)	oo max	
			10typ (lo=100%)		
	HOLD-UP TIME[ms]	ACIN 200V	20typ (lo=50%)		
	OUTPUT VOLTAGE ADJUSTM	ENT RANGE[V] *5	28.8 - 52.8 *6	86.4 - 158.4 *7	
	OUTPUT VOLTAGE SET		47 - 49	141 - 147	
			Works over 105% of rating (Recovers automatically, Intermittent overcurrent)		
	OVERCURRENT PROT	ECTION	(Output voltage shuts down when the output voltage continuously drops due to overcurrent protection.) *		
ROTECTION			56 - 60	168 - 180	
IRCUIT AND	DC OK LAMP		LED (Green)		
THERS	ALARM LAMP		LED (Amber)		
	REMOTE ON/OFF		Provided		
	INPUT-OUTPUT AUX	RC·WRN·PG	AC3,000V 1minute, Cutoff current = 100mA, DC500V 50M Ω min (At room temperature)		
	INPUT-FG		AC2,000V 1minute, Cutoff current = 100mA, DC500V 50M Ω min (At room temperature)		
SOLATION			AC500V 1minute, Cutoff current = 100mA, DC500V 50M Ω min (At room temperature)		
	OUTPUT-AUX·RC·WRN·PG		AC100V 1minute, Cutoff current = 100mA, DC100V 50M Ω min (At room temperature)		
	OPERATING TEMP., HUMID.AND ALTITUDE		-10 to +60°C (Output derating is required), 20 - 90%RH (Non condensing), 3,000m (10,000 feet) max		
	STORAGE TEMP., HUMID.		-20 to $+75^{\circ}$ C, 20 - 90%RH (Non condensing), 9,000m (30,000 feet) max		
NVIRONMENT	VIBRATION		10 - 55Hz, 19.6m/s ² (2G), 3minutes period, 60minutes each along X, Y and Z axis		
	IMPACT		196.1m/s ² (20G), 11ms, once each along X, Y and Z axis		
	AGENCY APPROVALS		UL60950-1, C-UL (CSA60950-1), EN60950-1		
AFETY AND	CONDUCTED NOISE		Complies with FCC Part15-A, CISPR32-A, EN55011-A, EN55032-A, VCCI-A		
IOISE REGULATIONS	HARMONIC ATTENUATOR		Complies with IEC61000-3-12		
			388×43×475mm [15.28×1.69×18.70 inches] (W×H×D) / 11kg max		
OTHERS	COOLING METHOD	+0	Forced cooling (internal fan)		
	COOLING WETHOD		r orceu cooling (internarian)		

*1 AUX output power is not included.

*2 The current of input surge to a built-in noise filter (0.2ms or less) is excluded.

*3 Measured by 500MHz oscilloscope. Ripple and ripple noise is measured on measuring board with capacitor of 22µF within

Ripple and ripple noise is measured on measuring board with capacitor of 22µF within 150mm from the output terminal.

*4 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C, with the input voltage held constant at the rated input/output.

*5 Can't be used above the rated output current and the rated output power.

*6 When the output voltage is adjusted to higher than 49.92V and the load factor is over 70% of the rated current, if the load current changes quickly (< 200msec), the output voltage drops approximately 5V below the setting voltage.</p>

*7 When the output voltage is adjusted to higher than 149.82V and the load factor is over 70% of the rated current, if the load current changes quickly (<200msec), the output voltage drops approximately 15V below the setting voltage.
*8 Output voltage recovers from protection by shutting down the input voltage and waiting

B Output voitage recovers from protection by snutting down the input voitage and waiting more than 10 seconds then turning on AC input again, or turning off the output voltage by remote control.

*9 Case size contains neither the terminal blocks, connector and screw.

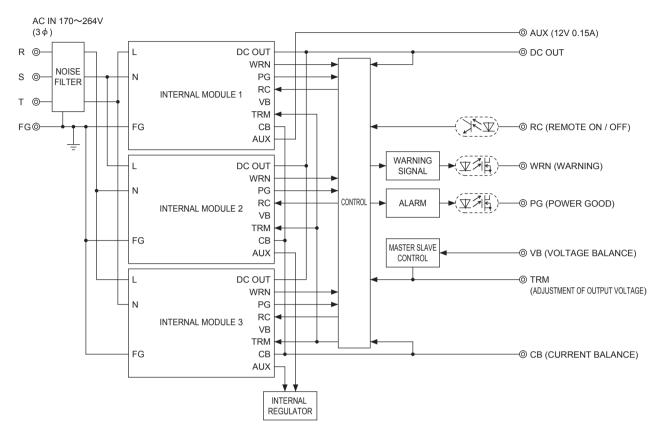
* To meet the specifications, do not operate over-loaded condition.

* A sound may occur from power supply at peak loading.

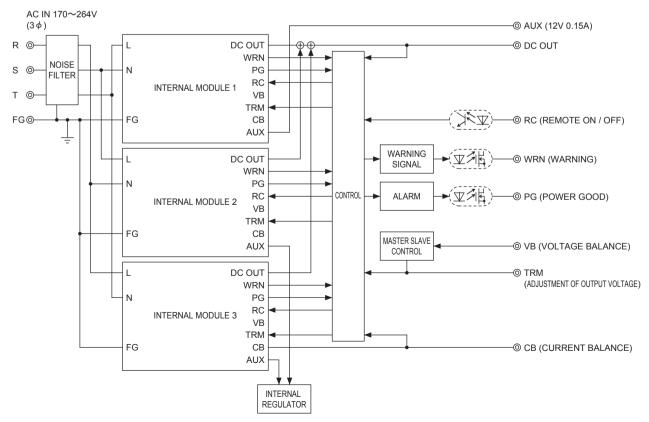
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Block diagram

●FETA7000T-48

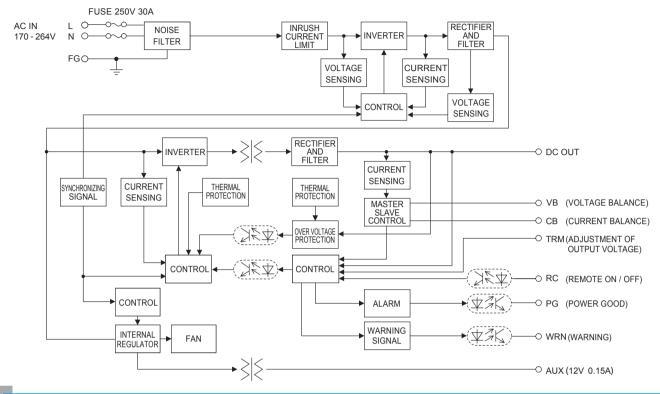


●FETA7000T-144

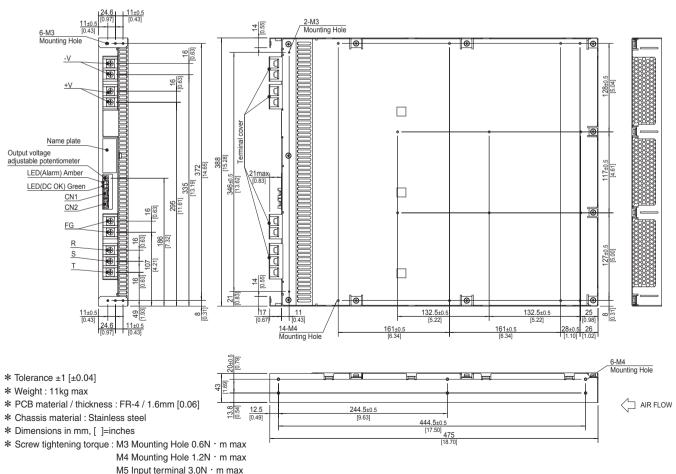


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Block diagram of internal module



External view



* Please connect safety ground to FG terminal on the unit.

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