



[2 YEAR WARRANTY]

PM300 SERIES

Single, dual and triple output

- Encapsulated package
- 2.5 to 15W modules
- 115VAC input (230VAC version, see PM300CE)
- Chassis mounting inserts
- Terminal strip connections
- Short circuit protection
- UL and CSA safety approvals

The PM300 series is an encapsulated, chassis mountable linear AC/DC power module. The series has single, dual and triple output models with industry standard output configurations operating from an input voltage of 115VAC making the PM300 series suitable for a wide range of low power chassis applications. The PM300 series includes 2.5W to 15W modules. Each module has short circuit protection and the 5V outputs also have overvoltage protection. Conservative design and rating of these modules results in reliable operation and long life. There are four threaded inserts in the bottom of each module for convenient chassis mounting. The PM300 design is a low emissions design with tightly regulated outputs making the series especially suitable for test, measurement and instrumentation equipment.

SPECIFICATION All specifications are typical at nominal input, full load at 25°C unless otherwise stated

OUTPUT SPECIFICATIONS		
Voltage accuracy		±1.0%, max.
Line regulation		See table on facing page
Load regulation		See table on facing page
Temperature coefficient		±0.02%/°C
Overvoltage protection (See Note 2)	See table for relevant models	6.2V typ.
Output power limit		130% to 200% FL typ.
Short circuit protection		100% to 200% FL
INPUT SPECIFICATIONS		
Input voltage range		115V±10VAC
Input frequency range	(See Note 1)	47Hz to 400Hz

GENERAL SPECIFICATIONS		
Efficiency		40% typical
Isolation voltage	Input/output	700VAC
Isolation capacitance		50pF
Approvals and standards (See Note 4)		UL478 CSA C22.2-143 and No. 154
Case material	UL94V-0	Non-conductive black plastic
Weight	Case C1 Case C2	567g (20.02oz) 816g (28.80oz)
MTBF (See Note 3)		710,000 hours
ENVIRONMENTAL SPECIFICATIONS		
Temperature	Operating ambient Non-operating amb. Derating, 50°C to 71°C Cooling	-25°C to +71°C -25°C to +85°C 2.5%/°C Free-air convection cooled
Relative Humidity	Non-condensing	20% to 95% RH

International Safety Standard Approvals



UL478 File No. E131987



CSA C22.2 No. 143 and No. 154 File No. LR59996C/LR101320

2.5 to 15 Watt AC/DC encapsulated modules

OUTPUT VOLTAGE	OUTPUT CURRENT	OVP	REGULATION		RIPPLE AND NOISE	CASE	MODEL NUMBER
			LINE	LOAD			
SINGLE OUTPUT							
5VDC	1000mA	Yes	±.05%	±0.15%	2mV rms	C1	PM342
5VDC	2000mA	Yes	±.05%	±0.15%	2mV rms	C2	PM345
12VDC	600mA	No	±.05%	±0.05%	1mV rms	C2	PM317
DUAL OUTPUT							
±12VDC	±240mA	No	±0.05%	±0.05%	1mV rms	C1	PM337
±12VDC	±400mA	No	±0.05%	±0.05%	1mV rms	C2	PM397
±15VDC	±200mA	No	±0.05%	±0.05%	1mV rms	C1	PM365
±15VDC	±350mA	No	±0.05%	±0.05%	1mV rms	C2	PM301
±15VDC	±500mA	No	±0.05%	±0.05%	1mV rms	C2	PM396
TRIPLE OUTPUT							
5V/±12VDC	300/±180mA	Yes	±0.05%	±0.1%/±0.05%	1mV rms	C1	PM395
5V/±12VDC	500/±120mA	Yes	±0.05%	±0.1%/±0.05%	1mV rms	C1	PM391
5V/±15VDC	1000/±150mA	Yes	±0.20%	±0.1%/±0.02%	1.0/0.5mV rms	C2	PM393

Note

- 1 Some units should be derated for operation at 400Hz. Please contact factory for details.
- 2 Triple output models only: overvoltage protection is only available on the 5V outputs.
- 3 MTBF figures are based on actual product performance. Consult factory for details.
- 4 All models are only for inclusion by professional installers within other equipment and must not be operated as a stand alone product.

