



# Product Selection Guide

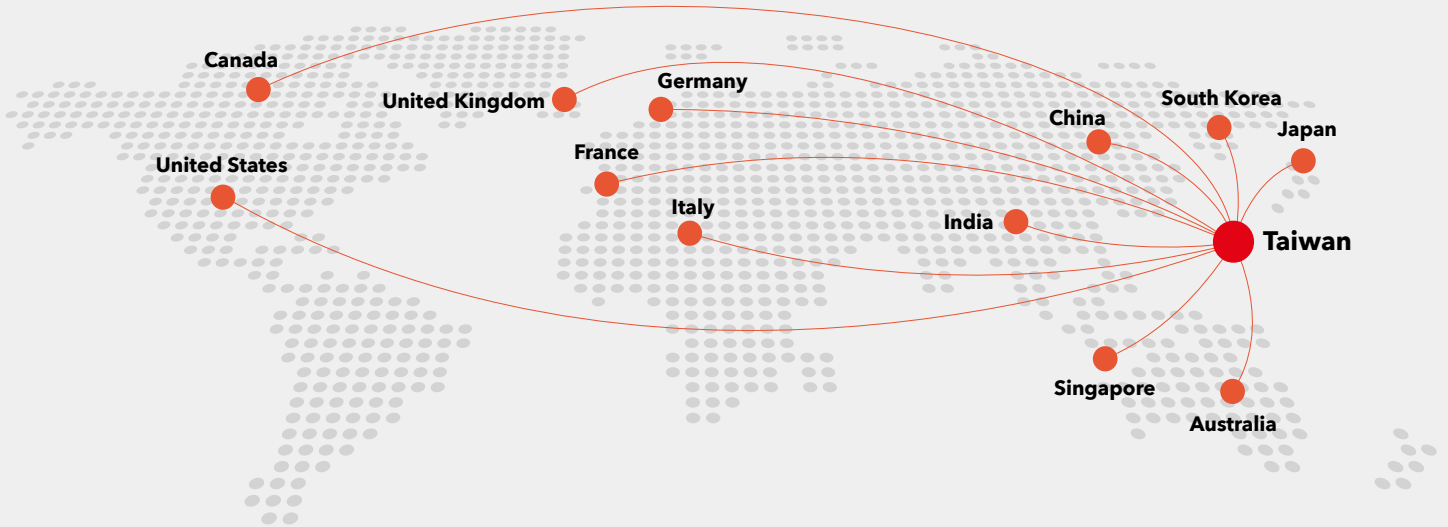
DC-DC Converters

AC-DC Power Supplies

Cincon Electronics



**Powering Your Ideas**



# Company Profile

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Established in Taiwan in 1991, Cincon boasts over 33 years of expertise in power supply design solutions. Our products include AC-DC power supplies and DC-DC power converters.

We specialize in creating compact, high-power-density power products, incorporating custom heat dissipation technologies. This ensures our products operate smoothly across a broad temperature range, delivering outstanding power conversion efficiency and maximizing reliability.

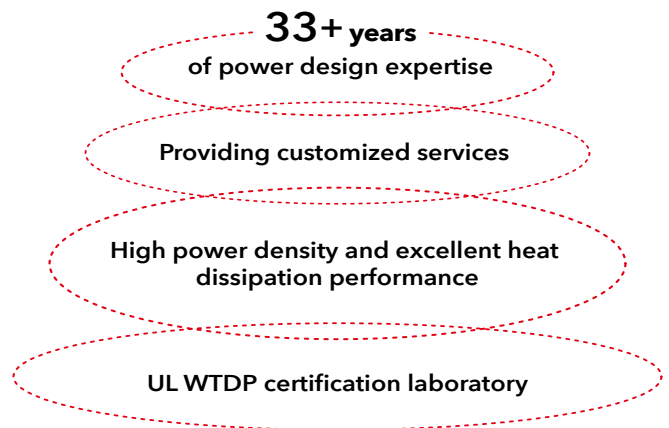
With in-house facilities such as the UL WTDP testing laboratory, the 3M compliant semi-anechoic test chamber, and HALT machines for product limitation & reliability testing and certification, we offer significant advantages to support our customers. This enables them to accelerate their development process.

Our R&D and FAE teams are dedicated to supporting customers by closely catering to the end-user and applications. This customer-centric approach has enabled us to support projects in deploying systems across diverse sectors including industrial automation, telecommunications, networking, automotive, healthcare, public transportation, instrumentation, and defense. With a global presence spanning five continents and represented by over 50 esteemed local agents and distributors, we serve a customer base of over 300 worldwide.

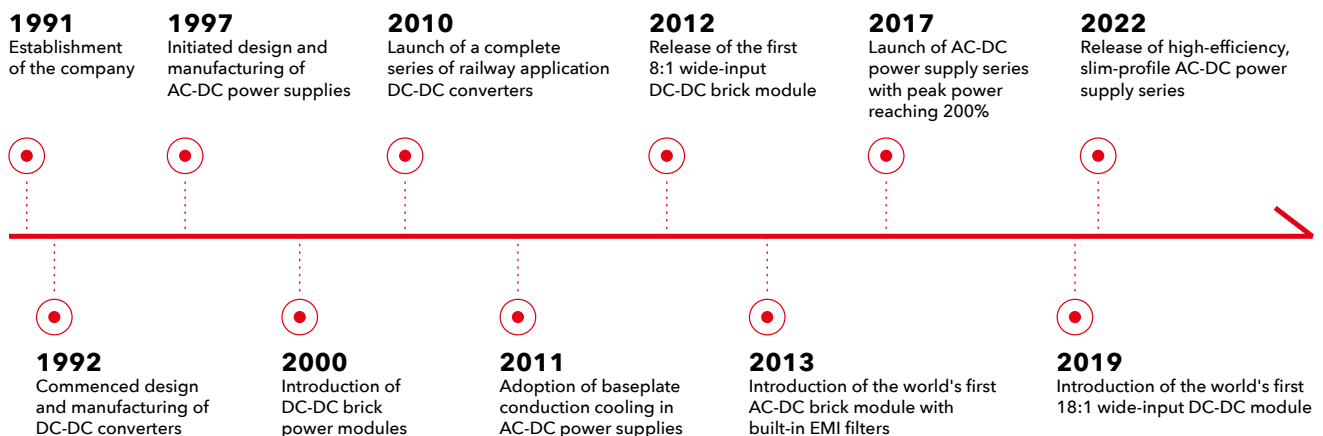


3M Compliant Semi-Anechoic Test Chamber

# Our Advantages



## Achievements in Advanced Technological Breakthroughs









New Product



IEC/EN/UL 62368-1





## Non-isolated DC-DC Converter 0.666A-5A

Series	Output Power	Input Voltage (Vdc)	Output Voltage (VDC)										Eff.	Package / Dimension (inch)				
			Single															
			1.8V	2.5V	3.3V	5V	9V	12V	15V	24V	48V	54V						
 EC5A	0.666-2A	4.7~6V 9~32V 16~32V 19~32V			•	•				•	•						94%	1.25x0.80x0.40 (DIP) 1.25x0.80x0.45 (SMD)
 NCS01W8 	1A	6~72V 8~72V 12~72V 15~72V 18~72V 28~72V			•	•		•		•	•		•				95%	0.69x0.48x0.34 (DIP)
 SMT05-12	5A	8.3~14V	0.75-5V										92%	0.80x0.450x0.24 (SMT)				



## SIP Package 1W-2W Unregulated

Series	Output Power	Input Voltage (Vdc)	Output Voltage (VDC)															Eff.	Isolation Voltage	Package / Dimension (inch)	
			Single										Dual								Tri.
			1.8V	2.5V	3.3V	5V	12V	15V	24V	28V	48V	54V	±5V	±12V	±15V	±24V	Other				
 EC1TAN	1W	4.5~5.5V 10.8~13.2V 21.6~26.4V				•	•	•											82%	1000Vdc	0.46x0.24x0.40 (SIP4) 0.46x0.30x0.40 (SIP4-24Vin)
 EC1SAN																				83%	1500Vdc
EC2SAN	2W																		86%	1000Vdc	0.77x0.28x0.40 (SIP7)
EC2SANH																			88%	3000Vdc	

## SIP Package 2W-10W Regulated

Series	Output Power	Input Voltage (Vdc)	Output Voltage (VDC)															Eff.	Isolation Voltage	Package / Dimension (inch)	
			Single										Dual								Tri.
			1.8V	2.5V	3.3V	5V	12V	15V	24V	28V	48V	54V	±5V	±12V	±15V	±24V	Other				
EC2SA	2W	4.5~9V 9~18V 18~36V 36~75V																	84%	1500Vdc	0.86x0.36x0.44 (SIP8)
EC3SA																			86%		
EC3SAW	3W	9~36V 18~75V																	85%	1500Vdc	
EC3SAWH						•	•	•	•				•	•	•				84.5%	3000Vdc	
EC4SAW	6W	9~36V 18~75V																	89%	1500Vdc	
EC4SAWH																				87.5%	
EC5SAW	10W	9~36V 18~75V																	89.5%	3000Vdc	0.87x0.37x0.47 (SIP8)







New Product



IEC/EN/UL 62368-1



## DIP 16 / DIP 24 / SMD 24 Package 3W-15W

Series	Output Power	Input Voltage (Vdc)	Output Voltage (Vdc)															Eff.	Isolation Voltage	Package / Dimension (inch)			
			Single									Dual									Tri.		
			1.8V	2.5V	3.3V	5V	12V	15V	24V	28V	48V	54V	±5V	±12V	±15V	±24V	Other						
 EC3A-E	3W	4.5~6V 9~18V 18~36V 36~72V																		82%	500/ 1500/ 3000Vdc	1.25x0.80x0.40 (DIP24) 1.25x0.80x0.45 (SMD24)	
		EC3AB	9~18V 18~36V 36~72V			•	•	•		•					•	•	•					80%	1.25x0.80x0.50 (DIP24) 1.25x0.80x0.55 (SMD24)
		EC3A	4.5~9V 9~18V 18~36V 36~72V																			87%	1.25x0.80x0.40 (DIP24) 1.25x0.80x0.45 (SMD24) 1.25x0.80x0.41 (SMD24)
		EC3AW	9~36V 18~72V			•	•	•	•							•	•	•				77%	1.25x0.80x0.40 (DIP24) 1.25x0.80x0.45 (SMD24)
		EC3AE	5V, 12V, 24V, 28V, 48V				•	•	•								•	•				61%	500Vdc
 EC4DAW 		9~36V 18~74V			•	•	•	•												87%	3000Vdc	0.95x0.54x0.39 (DIP16)	
 EC4A-E	6W	9~18V 18~36V 36~72V																		84%	500/ 1500/ 3000Vdc	1.25x0.80x0.40 (DIP24) 1.25x0.80x0.45 (SMD24)	
			EC4AB			•	•	•	•							•	•	•					1.25x0.80x0.50 (DIP24) 1.25x0.80x0.55 (SMD24)
		EC4A																				87%	1.25x0.80x0.40 (DIP24) 1.25x0.80x0.45 (SMD24) 1.25x0.80x0.41 (SMD24)
		EC4AW	9~36V 18~72V																			83%	1500/ 3000Vdc
EC4AW-H6	5-6W	9~36V 18~72V				•	•													85%	6000Vdc	1.25x0.80x0.40 (DIP24)	



IEC/UL/EN 62368-1  
EN 50155, EN 45545-2

## 2"x1" Package 10W-75W

Series	Output Power	Input Voltage (Vdc)	Output Voltage (Vdc)															Tri.	Eff.	Isolation Voltage	Package / Dimension (inch)						
			Single										Dual														
			1.8V	2.5V	3.3V	5V	12V	15V	24V	28V	48V	54V	±5V	±12V	±15V	±24V	Other										
EC4BE	10W	9~18V 18~36V 36~72V				•	•	•								•	•	•			82%	500Vdc	2.00x1.00x0.40 (DIP)				
EC4BU		4.7~9V 9~18V 18~36V 36~75V																				87%		1500Vdc			
EC4BW		9~36V 18~72V																						82%	500Vdc		
EC5BU	15W	9~18V 18~36V 36~75V			•	•	•	•								•	•	•				90%		1500Vdc			
EC5BE		9~18V 18~36V 36~72V																						83%	500Vdc		
EC5BW		9~36V 18~75V																						88%			
EC7B	20W	9~18V 18~36V 36~75V	•	•	•	•	•	•									•	•							90%	1500Vdc	
EC7BW		9~36V 18~75V			•	•	•	•								•	•	•									3000Vdc
EC7BW-110		43~160V				•	•	•									•	•									Reinforced 3000Vac
EC7BW18		8.5~160V			•	•	•	•									•	•	•								
EC9BW	30W	9~36V 18~75V			•	•	•	•									•	•							92%	1500Vdc	2.00x1.00x0.40 (DIP)
ECB40W18	40W	8.5~160V				•	•	•	•			•	•												90%	Reinforced 3000Vac	2.00x1.00x0.50 (DIP)
ECLB40W		9~36V 18~75V			•	•	•	•									•	•							91%	1500Vdc	2.05x1.20x0.40 (DIP)
ECLB40W-110		43~160V			•	•	•	•									•	•	•							3000Vdc	
ECLB60W	60W	9~36V 18~75V			•	•	•	•									•	•							92%	1500Vdc	
ECLB75W	75W	9~36V 18~75V				•	•	•									•	•	•						92.5%	2250Vdc	

**2"x1.6" & 2"x2" & 3"x2" & 3.5"x2.5" Package 15W-45W**

Series	Output Power	Input Voltage (Vdc)	Output Voltage (Vdc)														Eff.	Isolation Voltage	Package / Dimension (inch)												
			Single										Dual							Tri.											
			1.8V	2.5V	3.3V	5V	12V	15V	24V	28V	48V	54V	±5V	±12V	±15V	±24V					Other										
EC5C	15W	9~36V 18~72V				•	•	•													•	•	•				5V, ±12V 5V, ±15V	84%	500Vdc	2.00x2.00x0.40 (DIP)	
DH15W10		150~1500V				•	•	•	•																				86%	4000Vac	3.00x2.00x0.98 (DIP)
EC1SC	20W	9~36V 18~72V			•	•	•	•														•	•	•					84%	1500Vdc	2.00x1.60x0.45 (DIP)
EC6C	30W	9~18V 18~36V 36~72V			•	•	•	•															•	•	•			5V, ±12V 5V, ±15V	88%	500Vdc	2.00x2.00x0.40 (DIP)
DH30W10		150~1500V						•	•	•				•															89%	4000Vac	3.50x2.5x0.98 (DIP)
EC7C	40W	9~18V 18~36V 36~75V		•		•	•	•															•	•		3.3V, ±12V 3.3V, ±15V 5V, ±12V 5V, ±15V	93%	1500Vdc	2.00x2.00x0.40 (DIP)		
DH45W10	45W	150~1500V					•	•	•				•																89%	4000Vac	3.50x2.5x0.98 (DIP)

**Eighth Brick Package 100W**

Series	Output Power	Input Voltage (Vdc)	Output Voltage (Vdc)														Eff.	Isolation Voltage	Package / Dimension (inch)												
			Single										Dual							Tri.											
			3.3V	5V	12V	15V	24V	28V	32V	36V	48V	54V	±5V	±12V	±15V	±24V					Other										
CEB100W	100W	9~40V 16.5~74V		•	•		•															•							91%	3000Vdc	2.45x1.05x0.50 (Eighth Brick)





IEC/UL/EN 62368-1  
EN 50155, EN 45545-2



## Quarter Brick Package 50W-200W

Series	Output Power	Input Voltage (Vdc)	Output Voltage (Vdc)															Eff.	Isolation Voltage	Package / Dimension (inch)								
			Single										Dual								Tri.							
			3.3V	5V	12V	15V	24V	28V	32V	36V	48V	54V	±5V	±12V	±15V	±24V	Other											
CQE50W	50W	9~36V 18~75V	•	•	•	•	•							•										92%	1500Vdc	2.28x1.45x0.50 (Quarter Brick)		
CQB50W8		9~75V			•	•	•	•							•										91%		Reinforced 3000Vac	
CQB50W12		14~160V		•	•		•								•										89%		3000Vdc	
CQB60W-110S	60W	43~160V		•	•	•	•	•							•										92%			
CQB75W	75W	9~36V 18~75V	•	•	•	•	•																		87%		1500Vdc	
CQB75W8		9~75V			•	•	•	•								•											90%	
CQB75W14		12~160V		•	•	•	•	•									•										91%	Reinforced 3000Vac
CQB75-300S		180~450V	•	•	•	•	•									•											90%	
CQB100W	100W	9~36V 18~75V	•	•	•	•	•																				88%	1500Vdc
CQB100W14		12~160V		•	•	•	•	•									•										90%	Reinforced 3000Vac
CQB100W-110S		43~160V		•	•	•	•	•								•										92%	3000Vdc	
CQB150W	150W	9~36 18~75V		•	•		•	•							•											92%	2250Vdc	
CQB150W8		9~75V		•	•	•	•	•								•	•									90%	Reinforced 3000Vac	
CQB150W14		12~160V		•	•	•	•	•									•											
CQB150W-110S		43~160V	•	•	•	•	•	•								•											92%	3000Vdc
CQB150-300S		180~425V		•	•	•	•	•								•											89%	Reinforced 3000Vac
CQB200	200W	18~36V					•	•																		92%	2250Vdc	



IEC/UL/EN 62368-1  
EN 50155, EN 45545-2



## Half Brick Package 50W-500W

Series	Output Power	Input Voltage (Vdc)	Output Voltage (Vdc)															Eff.	Isolation Voltage	Package / Dimension (inch)					
			Single										Dual								Tri.				
			3.3V	5V	12V	15V	24V	28V	32V	36V	48V	54V	±5V	±12V	±15V	±24V	Other								
CHB50	50W	9~18V 18~36V 36~75V	•	•	•	•	•														89%	1500Vdc	2.28x2.40x0.50 (Half Brick)		
CHB50W		9~36V 18~75V	•	•	•	•	•	•						•							87%				
CHB75	75W	9~18V 18~36V 36~75V	•	•	•	•	•														89%				
CHB75W		9~36V 18~75V	•	•	•	•	•	•						•							85%				
CHB100	100W	18~36V 36~75V	•	•	•	•	•														89%				
CHB100W		9~36V 18~75V	•	•	•	•	•	•						•											
CHB150	150W	36~75V	•	•	•	•	•																		
CHB100-110S	100W	66~160V			•	•	•													•	89%			Reinforced 3000Vac	2.28x2.40x0.50 (Half Brick)
CHB150W	150W	9~36V 18~75V	•	•	•	•	•	•												•	91%			1500Vdc	2.28x2.40x0.52 (Half Brick)
CHB150W8		9~75V			•	•	•	•												•	90%				
CHB150W12		14~160V		•	•	•	•	•												•	91%	Reinforced 3000Vac	2.28x2.40x0.50 (Half Brick)		
CHB200W	200W	10~36V 18~75V	•	•	•	•	•	•												•	89%	1500Vdc	2.28x2.40x0.52 (Half Brick)		
CHB200W-110S		43~160V		•	•		•	•												•	91%			3000Vdc	
CHB200W12		14~160V			•	•	•	•													•	90%	Reinforced 3000Vac		
CHB300W	300W	9~36V 18~75V		•	•	•	•	•												•	92%	1500Vdc	2.28x2.40x0.50 (Half Brick)		
CHB300W-110S		43~160V	•	•	•		•	•												•	91%			3000Vdc	
CHB300-300S		180~425V		•	•		•	•													•	90%	1500Vdc		
CHB350	350W	18~36V 36~75V	•	•	•		•	•												•	92.5%	Reinforced 3000Vac	2.28x2.40x0.50 2.28x2.40x0.52 (Half Brick)		
CHB500W	500W	9~40V 16.5~74V			•		•	•												•	92%	3000Vdc	2.28x2.40x0.50 (Half Brick)		

## Full Brick Package 400W-1500W

Series	Output Power	Input Voltage (Vdc)	Output Voltage (Vdc)															Eff.	Isolation Voltage	Package / Dimension (inch)			
			Single										Dual								Tri.		
			3.3V	5V	12V	15V	24V	28V	32V	36V	48V	54V	±5V	±12V	±15V	±24V	Other						
CFB400W	400W	9~36V 18~75V		•	•		•	•												•	90%	1500Vdc	
CFB600	600W	18~36V 36~75V			•		•	•	•											•	92%		
CFB600W-110S		43~160V			•		•	•													•	88%	2250Vdc
CFB600-300S		180~425V			•		•	•													•	91%	Reinforced 3000Vac
CFB750-300S	750W	200~425V			•	•	•	•						•	•								4.60x2.40x0.50 (Full Brick)
CFB800	800W	18~36V						•												• 56V	90%	1500Vdc	
CFB1500-300S	1500W	200~425V			•	•	•	•						•	•							94%	Reinforced 3000Vac





New Product



Ultra-wide Input



Railway



High input voltage



Defense



Medical

C<sub>UL</sub> US

CA

IEC/UL/EN 62368-1, EN 50155  
IEC/UL/EN 60601-1

## Chassis Mount / Din Rail 10W-750W

Series	Output Power	Input Voltage (Vdc)	Output Voltage (Vdc)															Eff.	Isolation Voltage	Package / Dimension (inch)					
			Single										Dual								Tri.				
			3.3V	5V	12V	15V	24V	28V	32V	36V	48V	54V	±5V	±12V	±15V	±24V	Other								
CHB200W12-CMFD	200W	14~160V			•	•	•							•								89.5%	Reinforced 3000Vac	6.98x3.09x1.56 (CMFD)	
CHB200W-110SXX-CMFC(D)		43~160V		•	•		•	•							•								90.5%	3000Vdc	6.50x3.00x1.52 (CMFC) 6.50x3.09x1.57 (CMFD)
CRT300W12	300W	14.4~160V			•		•							•								94%	Reinforced 3000Vac	8.27x3.2x1.33	
CHB300W-110SXX-CMFC(D)		43~160V	•	•	•		•	•							•								90.5%	3000Vdc	6.50x3.00x1.52 (CMFC) 6.50x3.09x1.57 (CMFD)
CHB300-300SXX-CMFC(D)		180~425V		•	•		•	•							•								90%	Reinforced 3000Vac	6.50x3.09x1.57 (CMFD)
CFB600W-110SXX-CMFD	600W	43~160V			•		•	•						•								88%	2250Vdc	9.45x4.33x1.65 (CMFD)	
CFB750-300SXX-CMFD	750W	200~425V			•	•	•	•						•	•							90%	Reinforced 3000Vac		



## EMI Filter

Series	Output Power	Input Voltage (Vdc)	Package / Dimension (inch)
FM05D	5A	200V	Input 200V Max.
FM10D	10A	200V	Input 200V Max.
MF10D/MF20D	10A/20A	75V	Input 75V Max. For MIL-STD-461(F, G)
FM10/20	10A/20A	75V	Input 75V Max.
FM30R	30A	80V	Input 80V Max.





## Quarter Brick &amp; Half Brick 60W &amp; 150W







Series	Output Power	Input Voltage (Vdc)	Output Voltage (Vdc)												Eff.	Isolation Voltage	Package / Dimension (inch)								
			Single								Dual														
			3.3V	5V	12V	15V	24V	28V	48V	54V	±5V	±12V	±15V	±24V											
CQM60W	60W	9~36V 18~75V		•	•	•								•	•							93%	5000Vac	2.28x1.45x0.50 (Quarter Brick)	
CHM150	150W	18~36V			•	•	•																91%	5000Vac	2.28x2.40x0.52 (Half Brick)

**Wall-mount Adapter 6W - 30W**

## Class II - Fixed Plug


Series	Output Power		Input Voltage (VAC/VDC)	Output Voltage (VDC)												Eff.	Key Feature	OVC III	Package / Dimension (inch)		
	Con.	Peak		Single																	
				5V	9V	12V	15V	18V	19V	24V	28V	36V	48V	54V	Other						
 TRE15	15W		90~264VAC	•	•	•	•										86%	Cost Effective Altitude 5000m	-	2.795x1.906x1.299	
 TRG15	15W	-		•	•	•	•	•								6V 7.5V 13.6V		86%	Altitude 5000m	-	2.835x2.047x1.378
TRE25	25W			•	•	•	•	•										87%	Cost Effective	-	2.795x1.906x1.299

## Class II - Interchangeable Plug


Series	Output Power		Input Voltage (VAC/VDC)	Output Voltage (VDC)												Eff.	Key Feature	OVC III	Package / Dimension (inch)		
	Con.	Peak		Single																	
				5V	9V	12V	15V	18V	19V	24V	28V	36V	48V	54V	Other						
 TRG10R	10W		90~264VAC	•	•	•	•	•										84%	LEVEL VI Efficiency	-	2.858x1.823x1.402
 TRE15R	15W			•	•	•	•											86%	Cost Effective Altitude 5000m	-	2.795x2.220x1.299 (R) 2.835x2.244x1.299 (RD)
 TRE25R	25W																	88%	Cost Effective	-	
 TRE25RD																					
 TRG30RV	30W			•	•	•	•	•											Altitude 5000m	-	4.243x2.267x1.319
 TRG30RAV																					

**Desktop Adapter 36W - 220W**

## Class I

Series	Output Power		Input Voltage (VAC/VDC)	Output Voltage (VDC)												Eff.	Key Feature	OVC III	Package / Dimension (inch)						
	Con.	Peak		Single																					
				5V	9V	12V	15V	18V	19V	24V	28V	36V	48V	54V	Other										
 TRH50A	50W		90~264VAC															89%	Altitude 5000m	-	4.724x2.047x1.220				
TRH70A	70W																								
TRH100A	100W																								5.591x2.283x1.457
TRH160A	160W																								5.906x2.756x1.497
TRH220A	220W																								7.087x2.953x1.752















## Class II

Series	Output Power		Input Voltage (VAC/VDC)	Output Voltage (VDC)												Eff.	Key Feature	OVC III	Package / Dimension (inch)		
	Con.	Peak		Single																	
				5V	9V	12V	15V	18V	19V	24V	28V	36V	48V	54V	Other						
 TRE36	36W	-	90~264VAC	•	•	•	•	•										89%	Altitude 5000m	-	3.937x1.771x0.886



## Open-frame 4W - 1000W

### Class II

Series	Output Power		Input Voltage (VAC/VDC)	Output Voltage (VDC)													Eff.	Key Feature	OVC III	Package / Dimension (inch)	
	Con.	Peak		Single											Dual	Tri.					
				3.3V	5V	12V	15V	24V	28V	36V	48V	54V	other								
 CFM04S	4W		85~305VAC	•	•	•	•	•										82%	Altitude 5000m Meets EN60335-1 OVC II & OVC III	•	1.560x0.760x0.720 (PCB-mount) 1.620x0.830x0.787 (Encapsulated) 1.950x0.710x0.689 (Wafer)
 CFM06S	6W			•	•	•	•	•							9V			83%	Altitude 5000m		1.555x0.764x0.720 (PCB-mount) 1.618x0.827x0.787 (Encapsulated) 1.950x0.709x0.689 (Wafer)
 CFM12S 	12W				•	•	•	•							9V			87%	Altitude 5000m EN60335-1 Approval	•	1.500x1.000x0.756 (PCB-mount) 1.600x1.100x0.772 (Encapsulated) 2.150x1.000x0.689 (Wafer)
 CFM20S 	20W			•	•	•	•											87%	Altitude 5000m Meets EN60335-1		2.380x1.300x0.906 (PCB-mount) 2.480x1.400x0.933 (Encapsulated) 3.000x1.300x0.831 (Wafer)
 CFM25S  	25W	50W	90~264VAC															87%	2 Times Peak Load Altitude 5000m EN60335-1 Approval		2.000x1.100x0.980 (PCB-mount) 2.091x1.193x0.976 (Encapsulated) 2.776x1.100x0.906 (Wafer)
 CFM41S  	40W	80W		•	•	•	•											90%	2 Times Peak Load Altitude 5000m Meets EN60335-1		2.000x2.000x1.01 (PCB-mount) 2.14x2.14x1.035 (Encapsulated) 2.70x2.00x0.941 (Wafer)
 CFM61S 	60W	120W																		-	2.000x2.000x1.346 (PCB-mount) 2.136x2.136x1.409 (Encapsulated) 2.700x2.000x1.291 (Wafer)

IEC/UL/EN 62368-1  
EN 60335-1**Open-frame 4W - 1000W**

## Class I

Series	Output Power		Input Voltage (VAC/VDC)	Output Voltage (Vdc)											Eff.	Key Feature	OVC III	Package / Dimension (inch)			
	Con.	Peak		Single										Dual					Tri.		
				3.3V	5V	12V	15V	24V	28V	36V	48V	54V	other								
CFM40S		48W	90~264VAC	•	•	•	•	•								9V 30V		87%	High Peak Load	-	4.000x2.000x1.275 (PCB-mount) 4.000x2.000x1.200 (Wafer) 4.606x2.480x1.575 (Cover)
CFM40D/T	40W	-												5V/12V 5V/24V	3.3V/5V/-12V 5V/12V/-5V 5V/12V/-12V 5V/15V/-15V 5V/24V/12V 5V/24V/-5V 5V/24V/-12V	81%	Dual/Triple Outputs	-	4.000x2.000x1.224 (Wafer) 4.606x2.480x1.575 (Cover)		
CFM60S		72W		•	•	•	•	•								9V 30V		88%	High Peak Load	-	4.000x2.000x1.275 (PCB-mount) 4.000x2.000x1.200 (Wafer) 4.606x2.480x1.575 (Cover)
CFM60T	60W	-													3.3V/5V/-12V 5V/12V/-12V 5V/15V/-15V 5V/24V/-12V		83%	Triple Outputs	-	4.000x2.000x1.260 (Wafer)	
CFM80S	80W	-		•	•	•	•										•	90%	EN61000-3-2 Class A	-	4.000x2.000x1.142 (PCB-mount) 4.000x2.000x1.07 (Wafer)

## Class I &amp; Class II

Series	Output Power		Input Voltage (VAC/VDC)	Output Voltage (Vdc)											Eff.	Key Feature	OVC III	Package / Dimension (inch)				
	Con.	Peak		Single										Dual					Tri.			
				3.3V	5V	12V	15V	24V	28V	36V	48V	54V	other									
CFM36S		36W	90~264VAC		•	•	•	•										89%	Altitude 5000m Meets EN60335-1 Class I & Class II	-	3.00x1.50x1.100 (PCB-mount) 3.10x1.60x1.134 (Encapsulated) 3.00x1.50x1.000 (Wafer)	
CFM50S	50W	-		•	•	•	•											91%		2 Times Peak Load Altitude 5000m EN60335-1 Approval	•	3.000x2.000x1.142 (PCB-mount) 3.000x2.000x1.067 (Wafer) 3.598x2.520x1.358 (Cover) 3.140x2.170x1.201 (Encapsulated) 4.200x2.170x1.201 (Terminal Block) 4.200x2.170x1.784 (Din-Rail)
CFM70S	70W	-		•	•	•	•											92%			Altitude 5000m OVC II & OVC III Class I & Class II	-
CFM81S	80W	160W				•	•	•										92%	Altitude 5000m OVC II & OVC III Class I & Class II	•		3.000x2.000x1.339 (Wafer)
CFM102S	100W	-		•	•	•								13.8V 19V		92%		•		3.000x2.000x1.339 (Wafer)		

**Baseplate-cooled**

Class I &amp; Class II / Class I

Series	Output Power		Input Voltage (VAC/VDC)	Output Voltage (Vdc)											Eff.	Key Feature	OVC III	Package / Dimension (inch)	
	Con.	Peak		Single										Dual					Tri.
				3.3V	5V	12V	15V	24V	28V	36V	48V	54V	other						
CFM130S	130W	156W	80~264VAC			•		•		•	•		18V	19V				Altitude 5000m Class I & Class II	3.000x2.000x1.20 (Open-frame) 3.598x2.000x1.299 (Baseplate) 3.598x2.520x1.358 (Cover)
CFM150S	150W	-	90~264VAC			•		•	•	•	•						94%		4.00x2.00x1.283 (Open-frame) 4.598x2.00x1.362 (Baseplate)
CFM202S	200W	240W				•		•	•	•	•		56V					Altitude 5000m EN60335-1 Approval Class I & Class II	4.00x2.00x1.311 (Baseplate) 4.598x2.520x1.358 (Cover)
CFM260S	260W	312W	85~264VAC			•		•		•	•						93.5%	Altitude 5000m Class I	4.000x2.000x1.441 (Open-frame) 4.598x2.000x1.520 (Baseplate) 4.598x2.520x1.594 (Cover)
CFM300S	300W		90~264VAC			•		•		•	•						94%	Altitude 5000m Meets EN60335-1 Class I	5.000x3.000x1.421 (Baseplate) 5.355x3.425x1.591 (Cover)
CFM400S	400W					•		•		•	•	•	18V						5.000x3.000x1.540 (Baseplate) 5.354x3.425x1.673 (Cover)
CFM500S	500W	600W				•		•	•	•	•		18V	30V			94.5%	Altitude 5000m Meets EN60335-1 Class I	5.000x3.000x1.540 (Baseplate) 5.354x3.425x1.673 (Cover)
CFM600S	600W		80~264VAC			•		•	•	•	•		18V	30V				Altitude 5000m Meets EN60335-1 Class I & Class II	5.000x3.000x1.540 (Baseplate) 5.354x3.425x1.673 (Cover)
CFM1000S	1000W					•		•	•	•	•	•	30V				94%	Altitude 5000m Class I	4.000x2.000x1.441 (U Channel) 4.598x2.000x1.520 (Cover) 4.598x2.520x1.594 (Fan)









## Encapsulated 4W - 750W

Class II / Class I & Class II

Series	Output Power		Input Voltage (VAc/Vdc)	Output Voltage (Vdc)													Eff.	Key Feature	OVC III	Package / Dimension (inch)
	Con.	Peak		Single											Dual	Tri.				
				3.3V	5V	12V	15V	24V	28V	36V	48V	54V	other							
CFM04S	4W	-	85~305VAc	•	•	•	•	•									82%	Altitude 5000m Meets EN60335-1 OVC II & OVC III Class II	1.560x0.760x0.720 (PCB-mount) 1.620x0.830x0.787 (Encapsulated) 1.950x0.710x0.689 (Wafer)	
CFM06S	6W	-	90~264VAc		•	•	•	•	•						9V		83%	Altitude 5000m Class II	1.555x0.764x0.720 (PCB-mount) 1.618x0.827x0.787 (Encapsulated) 1.950x0.709x0.689 (Wafer)	
CFM12S	12W	-				•	•	•	•						9V		87%	Altitude 5000m EN60335-1 Approval Class II	1.500x1.000x0.756 (PCB-mount) 1.600x1.100x0.772 (Encapsulated) 2.150x1.000x0.689 (Wafer)	
CFM20S	20W	-				•	•	•	•							•		87%	Altitude 5000m Meets EN60335-1 Class II	2.380x1.300x0.906 (PCB-mount) 2.480x1.400x0.933 (Encapsulated) 3.000x1.300x0.831 (Wafer)
CFM25S	25W	50W				•	•	•	•							•	•	87%	2 Times Peak Load Altitude 5000m EN60335-1 Approval Class II	2.000x1.100x0.980 (PCB-mount) 2.091x1.193x0.976 (Encapsulated) 2.776x1.100x0.906 (Wafer)
CFM36S	36W	-				•	•	•	•							•		89%	Altitude 5000m Meets EN60335-1 Class I & Class II	3.000x1.500x1.100 (PCB-mount) 3.10x1.60x1.134 (Encapsulated) 3.00x1.50x1.000 (Wafer)
CFM41S	40W	80W																90%	2 Times Peak Load Altitude 5000m Meets EN60335-1 Class II	2.000x2.000x1.01 (PCB-mount) 2.14x2.14x1.035 (Encapsulated) 2.70x2.00x0.941 (Wafer)
CFM50S	50W	-																89%	Altitude 5000m Meets EN60335-1 Class I & Class II	3.000x2.000x1.142 (PCB-mount) 3.000x2.000x1.067 (Wafer) 3.598x2.520x1.358 (Cover) 3.140x2.170x1.201 (Encapsulated) 4.200x2.170x1.201 (Terminal Block) 4.200x2.170x1.784 (Din-Rail)
CFM61S	60W	120W				•	•	•	•							•	•	90%	2 Times Peak Load Altitude 5000m Class II	2.000x2.000x1.346 (PCB-mount) 2.136x2.136x1.409 (Encapsulated) 2.700x2.000x1.291 (Wafer)
CFM70S	70W	-																91%	Altitude 5000m Meets EN60335-1 Class I & Class II	3.000x2.000x1.142 (PCB-mount) 3.000x2.000x1.067 (Wafer) 3.598x2.520x1.358 (Cover) 3.140x2.170x1.201 (Encapsulated) 4.200x2.170x1.201 (Terminal Block) 4.200x2.170x1.784 (Din-Rail)





**Encapsulated 4W - 750W**

Class I - Brick Type

Series	Output Power		Input Voltage (VAC/Vdc)	Output Voltage (Vdc)												Eff.	Key Feature	OVC III	Package / Dimension (inch)	
	Con.	Peak		Single											Dual					Tri.
				3.3V	5V	12V	15V	24V	28V	36V	48V	54V	other							
 CBM70S	70W	-	90~264VAC 127~370VDC			•		•		•	•						89.5%	Low Profile Wide Operating Temp. Built-in EMI Filter & Capacitor	-	2.28x2.40x0.67
CBM101S	100W	-				•		•	•	•	•						94.5%		4.60x2.40x0.67	
 CBM150S	150W	-	90~264VAC 127~370VDC			•		•	•	•	•	•					93%		4.60x2.40x0.78	
 CBM300S <b>NEW</b>	300W	-				•	•	•	•	•	•	•					94%		4.60x3.35x0.78	
PDF700S	700W	-				•		•	•		•	•					92%		Low Profile Compact Size Wide Operating Temp.	4.60x2.40x0.50
 PFC750	750W	-	90~264VAC												390V		96.5%	Low Profile Active Power Factor Correction	-	2.28x2.40x0.50

**Enclosed & Din-rail 40W - 1000W**

Class I &amp; Class II / Class I - Cover Type

Series	Output Power		Input Voltage (VAC/Vdc)	Output Voltage (Vdc)												Eff.	Key Feature	OVC III	Package / Dimension (inch)	
	Con.	Peak		Single											Dual					Tri.
				3.3V	5V	12V	15V	24V	28V	36V	48V	54V	other							
 CFM40S	40W	48W	-			•	•	•	•	•					9V 30V		87%	High Peak Load	-	4.000x2.000x1.275 (PCB-mount) 4.000x2.000x1.200 (Wafer) 4.606x2.480x1.575 (Cover)
 CFM50S 	100W	-	90~264VAC			•	•	•	•			•	•				89%	Altitude 5000m Meets EN60335-1 Class I & Class II	•	3.000x2.000x1.142 (PCB-mount) 3.000x2.000x1.067 (Wafer) 3.598x2.520x1.358 (Cover) 3.140x2.170x1.201 (Encapsulated) 4.200x2.170x1.201 (Terminal Block) 4.200x2.170x1.784 (Din-Rail)
 CFM60S	60W	72W	-			•	•	•	•	•					9V 30V		88%	High Peak Load	-	4.000x2.000x1.275 (PCB-mount) 4.000x2.000x1.200 (Wafer) 4.606x2.480x1.575 (Cover)



## Enclosed & Din-rail 40W - 1000W

Class I & Class II / Class I - Cover Type

Series	Output Power		Input Voltage (VAc/Vdc)	Output Voltage (VDC)													Eff.	Key Feature	OVC III	Package / Dimension (inch)	
	Con.	Peak		Single											Dual	Tri.					
				3.3V	5V	12V	15V	24V	28V	36V	48V	54V	other								
CFM70S	70W	-	90~264VAC			•	•	•	•			•	•					91%	Altitude 5000m Meets EN60335-1 Class I & Class II	•	3.000x2.000x1.142 (PCB-mount) 3.000x2.000x1.067 (Wafer) 3.598x2.520x1.358 (Cover) 3.140x2.170x1.201 (Encapsulated) 4.200x2.170x1.201 (Terminal Block) 4.200x2.170x1.784 (Din-Rail)
CFM81S	80W	160W				•	•	•					•					91%	2 Times Peak Load Altitude 5000m EN60335-1 Approval	-	3.000x2.000x1.413 (PCB-mount) 3.000x2.000x1.339 (Wafer) 3.200x2.441x1.575 (Cover)
CFM130S	130W	156W	80-264VAC			•		•				•	•			18V 19V			Altitude 5000m Class I & Class II	•	3.000x2.000x1.120 (Open-frame) 3.598x2.000x1.299 (Baseplate) 3.598x2.520x1.358 (Cover)
LFM200S	200W	-	85~264VAC 115~370VDC			•	•	•	•	•	•	•	•	•	30V			94%	Low Profile OVC II & OVC III Class I		3.090x2.300x1.000 (Cover)
CFM202S	200W	240W	90~264VAC			•		•	•	•	•	•	•	56V					Altitude 5000m Meets EN60335-1 Class I & Class II		4.00x2.00x1.129 (Baseplate) 4.598x2.520x1.358 (Cover)
CFM260S	260W	312W	85~264VAC			•		•				•	•					93.5%	Altitude 5000m Class I	-	4.000x2.000x 1.441 (Open-frame) 4.598x2.000x 1.520 (Baseplate) 4.598x2.520x 1.594 (Cover)
LFM300S	300W		85~264VAC 120~370VDC			•	•	•	•			•	•	30V					Low Profile OVC II & OVC III Class I	•	4.094x2.280x1.000 (Cover)
CFM300S	300W		90~264VAC			•		•				•	•					94%	Altitude 5000m Meet EN60335-1 Class I	-	5.000x3.000x1.421 (Baseplate) 5.355x3.425x1.591 (Cover)
CFM400S	400W		80~264VAC			•		•				•	•	18V					Altitude 5000m Meet EN60335-1 Class I	-	5.000x3.000x1.540 (Baseplate) 5.354x3.425x1.673 (Cover)
LFM420S	420W		85~264VAC 120~370VDC			•		•	•	•	•	•	•					94.5%	Low Profile OVC II & OVC III Class I	•	5.090x3.300x1.000 (Cover)



## Enclosed & Din-rail 40W - 1000W

Class I & Class II / Class I - Cover Type

Series	Output Power		Input Voltage (VAc/VDc)	Output Voltage (VDC)											Eff.	Key Feature	OVC III	Package / Dimension (inch)		
	Con.	Peak		Single										Dual					Tri.	
				3.3V	5V	12V	15V	24V	28V	36V	48V	54V	other							
CFM500S	500W	600W	80~264VAc			•		•	•	•	•			18V 30V			94.5%	Altitude 5000m Meets EN60335-1 Class I	-	5.000x3.000x1.540 (Baseplate) 5.354x3.425x1.673 (Cover)
LFM550S	550W		85~264VAc 115~370Vdc			•	•	•	•	•	•	•		30V			95%	Low Profile OVC II & OVC III Class I	•	5.090x3.290x1.00 (Cover)
CFM600S	600W		80~264VAc			•		•	•	•	•			18V 30V			94%	Altitude 5000m Meets EN60335-1 Class I & Class II		5.000x3.000x1.540 (Baseplate) 5.354x3.425x1.673 (Cover)
PDF700S-CMFC/D/D-P	700W		90~264VAc			•		•	•					56V			91.5%	Built-In EMI Filter Parallel Option MIL-STD-461F CE102/RE101	-	9.45x4.33x1.587 (CMFC) 9.45x4.33x1.654 (CMFD/CMFD-P)
PDF700B-CMFD/D-P				Built-In EMI Filter Parallel Option MIL-STD-461F CE101/CE102/RE101	9.45x4.33x1.654 (CMFD/CMFD-P)															
LFM750S	750W		85~264VAc 115~370Vdc			•	•	•	•	•				30V			94%	Low Profile OVC II & OVC III Class I	•	6.090x3.290x1.00 (Cover)
CFM1000S	1000W		80~264VAc			•		•	•	•	•			30V				Altitude 5000m Class I	-	4.000x2.000x1.441 (U Channel) 4.598x2.000x1.520 (Cover) 4.598x2.520x1.594 (Fan)







## Class I - Din-rail Type

Series	Output Power		Input Voltage (VAc/VDc)	Output Voltage (VDC)											Eff.	Key Feature	OVC III	Package / Dimension (inch)			
	Con.	Peak		Single										Dual					Tri.		
				3.3V	5V	12V	15V	24V	28V	36V	48V	54V	other								
CFM40C	40W		90~264VAc	•	•	•	•	•			•	•		9V 30V			87%	EN55032 Class B	-	5.433x2.323x1.894	
CFM50S	50W					•	•	•	•			•	•					89%	Altitude 5000m Meets EN60335-1 Class I & Class II	•	3.000x2.000x1.142 (PCB-mount) 3.000x2.000x1.067 (Wafer) 3.598x2.520x1.358 (Cover) 3.140x2.170x1.201 (Encapsulated) 4.200x2.170x1.201 (Terminal Block) 4.200x2.170x1.784 (Din-Rail)
CFM60C	60W					•	•	•	•			•	•		9V 30V			88%	EN55032 Class B	-	5.433x2.323x1.894
CFM70S	70W					•	•	•	•			•	•					91%	Altitude 5000m Meets EN60335-1 Class I & Class II	•	3.000x2.000x1.142 (PCB-mount) 3.000x2.000x1.067 (Wafer) 3.598x2.520x1.358 (Cover) 3.140x2.170x1.201 (Encapsulated) 4.200x2.170x1.201 (Terminal Block) 4.200x2.170x1.784 (Din-Rail)







## Wall-mount Adapter 15W & 18W & 30W

Interchangeable Plug (Class II)







Series	Output Power		Input Voltage (VAC/Vdc)	Output Voltage (VDC)											Eff.	Key Feature	Package / Dimension (inch)		
				Single															
	Con.	Peak		3.3V	5V	12V	15V	18V	24V	28V	36V	48V	54V	other					
 TR15RAM	15W		90~264VAc		•	•	•		•								82%	2MOPP	3.173x1.885x1.704
 TR18RDM 	18W		80~264VAc														87%	2MOPP Altitude 5000m EN60601-1-11 Meets EN60335-1	3.165x1.693x1.453
 TR30RAM	30W		90~264VAc		•	•	•	•	•					9V			87%	2MOPP	4.278x2.440x1.445
 TR30RDM 			80~264VAc														88%	2MOPP Altitude 5000m EN60601-1-11 Meets EN60335-1	3.807x2.283x1.703

## Desktop Adapter 36W - 220W

Class II

Series	Output Power		Input Voltage (VAC/Vdc)	Output Voltage (VDC)											Eff.	Key Feature	Package / Dimension (inch)		
				Single															
	Con.	Peak		3.3V	5V	12V	15V	18V	24V	28V	36V	48V	54V	other					
 TR36M 	36W		80~264VAc		•	•	•	•	•					9V 13.5V			89%	2MOPP Altitude 5000m EN60601-1-11 Meets EN60335-1	3.937x1.771x0.886
 TR60M	60W	-	90~264VAc		•	•	•	•	•					19V			88%	2MOPP	5.197x2.283x1.201
 TR100M	100W					•	•	•	•					20V			89%		5.591x2.283x1.457

Class I &amp; II

Series	Output Power		Input Voltage (VAC/Vdc)	Output Voltage (VDC)											Eff.	Key Feature	Package / Dimension (inch)			
				Single																
	Con.	Peak		3.3V	5V	12V	15V	18V	24V	28V	36V	48V	54V	other						
 TR70M 	70W		80~264VAc			•	•	•	•									91%	2MOPP Altitude 5000m EN60601-1-11	4.724x2.047x1.220
 TR160M 	160W	-					•			•								93%		5.906x2.756x1.496
 TR220M 	220W						•			•					• 56V			94%		7.087x2.953x1.752




IEC/UL/EN 60601-1  
IEC/UL/EN 60601-2





## Open-frame 20W - 500W







### Class II

Series	Output Power		Input Voltage (VAC/Vdc)	Output Voltage (VDC)											Eff.	Key Feature	Package / Dimension (inch)	
	Con.	Peak		Single														
				3.3V	5V	12V	15V	18V	24V	28V	36V	48V	54V	other				
 CFM21	20W	-	90~264VAC	•	•	•	•		•						9V	85%	2MOOP Low Profile	2.38x1.60x0.80 (PCB-mount) 3.00x1.60x0.77 (Wafer) 2.53x1.74x0.80 (Encapsulated) 3.00x1.60x0.77 (Screw Terminal)

### Class I

Series	Output Power		Input Voltage (VAC/Vdc)	Output Voltage (VDC)											Eff.	Key Feature	Package / Dimension (inch)	
	Con.	Peak		Single														
				3.3V	5V	12V	15V	18V	24V	28V	36V	48V	54V	other				
 CFM40M	40W		90~264VAC	•	•	•	•		•						9V 30V	88%	2MOOP	3.00x2.00x0.948 (PCB-mount) 3.00x2.00x0.909 (Wafer) 3.200x2.441x1.260 (Cover)
 CFM60M	60W			•	•	•		•								90%		4.000x2.000x1.100 (Wafer) 4.606x2.441x1.575 (Cover)

## Baseplate-cooled (Class I & Class II / Class I)

Series	Output Power		Input Voltage (VAC/Vdc)	Output Voltage (VDC)											Eff.	Key Feature	Package / Dimension (inch)	
	Con.	Peak		Single														
				3.3V	5V	12V	15V	18V	24V	28V	36V	48V	54V	other				
 CFM130M 	130W	156W	80~264VAC			•		•	•						19V	94%	2MOPP Altitude 5000m Class I & Class II	3.000x2.000x1.20 (Open-frame) 3.598x2.000x1.299 (Baseplate) 3.598x2.520x1.358 (Cover)
 CFM300M 	300W	-	90~264VAC			•			•							94%	2MOPP Class I	5.000x3.000x1.421 (Baseplate) 5.355x3.425x1.591 (Cover)
 CFM500M 	500W	600W	80~264VAC			•		•	•							94.5%	2MOPP Altitude 5000m Class I	5.000x3.000x1.540 (Baseplate) 5.354x3.425x1.673 (Cover)



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Enclosed (Class I & Class II / Class I) 40W - 750W

Series	Output Power		Input Voltage (VAC/VDC)	Output Voltage (VDC)											Eff.	Key Feature	Package / Dimension (inch)	
	Con.	Peak		Single														
				3.3V	5V	12V	15V	18V	24V	28V	36V	48V	54V	other				
CFM40M	40W		90~264VAC	•	•	•	•		•						9V 30V	88%	2MOPP Class I	3.000x2.000x0.948 (PCB-mount) 3.000x2.000x0.909 (Wafer) 3.200x2.441x1.260 (Cover)
CFM60M	60W			•	•	•		•										90%
CFM130M	130W	156W	80~264VAC			•		•	•						19V	94%	2MOPP Altitude 5000m Class I & Class II	3.000x2.000x1.20 (Open-frame) 3.598x2.000x1.299 (Baseplate) 3.598x2.520x1.358 (Cover)
LFM200M	200W		85~264VAC 115~374VDC			•	•		•	•					30V	94%	2MOPP Low Profile Class I & Class II	3.090x2.300x1.000 (Cover)
CFM300M	300W		90~264VAC			•			•							94%	2MOPP Class I	5.000x3.000x1.421 (Baseplate) 5.355x3.425x1.591 (Cover)
LFM300M	300W		85~264VAC 120~374VDC			•	•		•	•					30V	94%	2MOPP Low Profile Class I & Class II	4.09x2.28x1.00 (Cover)
LFM420M	400W			•	•		•	•		•	•				30V	94.5%	2MOPP Low Profile Class I	5.09x3.29x1.00 (Cover)
CFM500M	500W	600W	80~264VAC			•		•	•							95%	2MOPP Altitude 5000m Class I	5.000x3.000x1.540 (Baseplate) 5.354x3.425x1.673 (Cover)
LFM550M	550W		85~264VAC 115~374VDC			•	•		•	•					30V	95%	2MOPP Low Profile Class I & Class II	5.354x3.425x1.673 (Cover)
LFM750M	750W			•	•		•	•		•	•			30V	94%			



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