

Low-Noise Switch Mode Power Supplies With User-Configurable Multiple Outputs

Base Units



C300
300 W

C450
450 W

C650
650 W

DC output modules slide into Base Units



Plug-in connection
Single screw mounting



The C Series power supplies save design and production time and cost by allowing end-of-line selection of multiple output voltages to match alternative application circuit requirements, while using the same power supply base unit. DC voltage output modules are slot-mounted inside the base units to provide various combinations of single, dual, or parallel output voltages.

Features and Benefits

- DC modules can be easily substituted to handle a wide range of voltage combinations:
 - Single output: 3.3 V / 5 V / 12 V / 15 V / 24 V
 - Dual output: ±12 V / ±15 V
 - Parallel drive: 24 V 132 W
- Modular design eliminates individual safety approvals
- High reliability with low noise
- High withstand voltage and low leakage current
- OCP, OVP, and OHP, remote sensing and control, and alarm for AC power failure, fan failure, and low output fault

Applications

- General industrial and commercial equipment
- Medical and information equipment (approved to UL60950-1, C-UL, EN60950 and EN60601-1 3rd)

Base Unit Specifications

	C300	C450	C650
Total Output Power	300 W	450 W	650 W
DC Modules Capacity	4 modules	5 modules	5 modules (1 isolated)
Auxiliary Outputs	1 auxiliary 12 V	1 auxiliary 12 V	2 auxiliary 12 V (1 isolated)
Rated Input Voltage	100 / 240 VAC		
Input Current	2.0 A	3.1 A	4.2 A
Rated Frequency	50 to 60 Hz		
Power Factor	0.95		
Inrush Current	20 A / 40 A		
Efficiency	87% / 89%	89% / 91%	89% / 92%
Leakage Current	0.3 mA (max) / 0.5 mA (max)		
Hold-Up Time	20 ms (typ) at 100 VAC and I _o = 100%		
Safety Standard	UL60950-1, UL60601-1, EN60950-1, EN60601-1, C-UL		
Conducted Noise	Comply with FCC-B, VCC I-B, CISPR22-B, EN55022-B		
Harmonic Attenuator	Comply with IEC61000-3-2		
Cooling	Forced Air (Built-in fan)		
Operation Temperature and Humidity	-20°C to 70°C, 20% to 90% RH (Load derating above 50°C)		
Storage Temperature and Humidity	-20°C to 75°C, 20% to 90% RH		
Dimensions (mm)	63.5 × 254 × 103	63.5 × 254 × 127	63.5 × 279 × 127