



DC/DC

Up to 100W Output Power

- INPUT RANGE: 18 - 36V_{DC}
OR 36 - 75V_{DC}
- INDUSTRIAL CHASSIS MOUNT
- HIGH EFFICIENCY
- REMOTE SHUTDOWN
- UNDERVOLTAGE LOCKOUT w/HYST

Specifications

INPUT

Voltage Range	18 - 36 or 36 - 75 V _{DC}
Remote ON/OFF control UVLO w/hysteresis	Neg. or Pos.

OUTPUT

Nominal Output	3.3, 5.0, 12 15 or 24V _{DC}
Setpoint accuracy	± 1.5%
Trim Range	+10%/-20%
Ripple and Noise (TYP)	50mV Pk-Pk
Short Circuit Protection	Auto-restart

GENERAL

Efficiency	92% TYP
Isolation	2250V _{DC}

ENVIRONMENTAL

Operating Temperature	-40 - +85C
Storage Temperature	-40 - +100C

The up to 100 Watt CPP (Cool Power “Potted”) 2:1 input series high performance compact 2” x 2” x 1.2” chassis mount series offers a rugged package in applications where a PCB may not be available to mount to. Additional features include trim or remote on/off control logic (negative or positive enable) and an operating temperature range of -40°C to +85°C (w/ derating.) Units are fully encapsulated, have the option for 4 threaded insert mounts and rugged screw terminals for I/O connections.

Applications

These units are ideally suited for industrial, transportation, electric vehicles, solar and other unique applications where printed circuit board mount is not available.



CPP 2:1 Series Ordering Information

Model Number	Vout (Volts)	Iout (A, max)	Power (W)	Vin Nom. (Volts)	Input Range (Volts)	Ripple (mV P-P)	Efficiency (Typ)
CPP20F48*	3.3	20	66	48	36 - 75	50	91%
CPP20A48*	5	20	100	48	36 - 75	50	93%
CPP7B48*	12	7	84	48	36 - 75	60	93%
CPP8B48*	12	8.3	100	48	36 - 75	80	93%
CPP5C48*	15	5.5	82.5	48	36 - 75	60	92%
CPP4L48*	18	4	72	48	36 - 75	60	93%
CPP3D48*	24	3	72	48	36 - 75	80	92%
CPP20F24*	3.3	20	66	24	18 - 36	50	90%
CPP15A24*	5	15	75	24	18 - 36	50	92%
CPP7B24*	12	7	84	24	18 - 36	60	92%
CPP1C24*	15	1	15	24	18 - 36	50	91%
CPP5C24*	15	5	75	24	18 - 36	60	92%
CPP3D24*	24	3	72	24	18 - 36	80	91%

* add "T" for trim option, or either "N" or "P" for negative or positive enable option or leave blank for no connection; add "M" suffix for optional mounting inserts.

Note: Additional output voltages/power levels available upon request - consult factory

Mechanical Outline & Pin Assignments

Terminal Assignment

1. + Vin
2. - Vin
3. Trim or Enable
4. +Vout
5. -Vout

- All dimensions are in inches [mm]
- Terminal screws are #6-32 steel w/zinc clear chromate finish
- Converter Weight: 3.4 oz [96 g]

