

500/600 Watt, CDS Series, DC-DC Converter (Single Output)

ALL PSU LTD
Electronic Power Solutions

- 2:1 Input Range
- Regulated Outputs
- 500V Isolation
- Industry Standard Encapsulated Package
- Full Brick
- Over Voltage and Current Protection
- High Efficiency up to 91%
- -20 to +85 °C Operational Temperature Range



Specification (typical values shown)

Input Range.....	18~36, 36~76 Volts
Outputs.....	Single (see table below plus trim range)
Start Up Time.....	200ms max
Line Regulation.....	dependent on output voltage – consult office
Load Regulation.....	dependent on output voltage – consult office
Efficiency.....	See table for each model
Over Current Protection.....	above 105% of nominal rated output, automatic recovery
Isolation Voltage.....	I/P~O/P: 500 VDC
Operating Temperature.....	-20 to +85 °C
Storage Temperature.....	-40 to +85 °C
Approval.....	UL60950-1, cUL, EN60950-1
Case Material.....	Aluminium baseplate, Polycarbonate Case
Weight.....	200 g

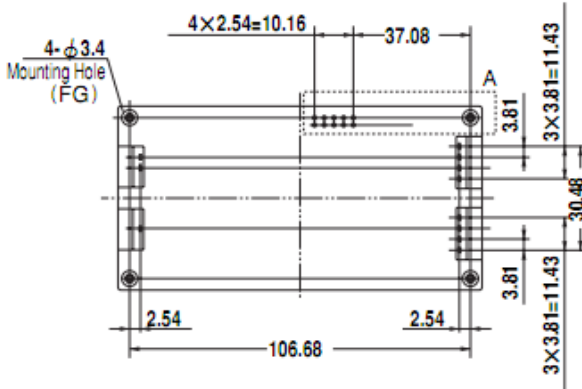
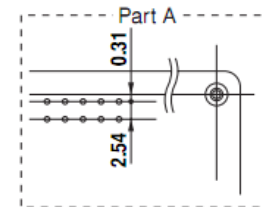
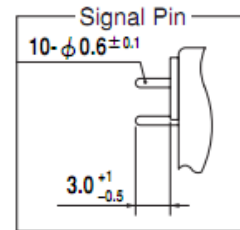
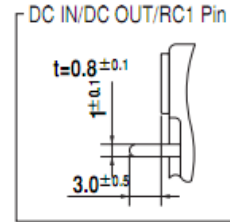
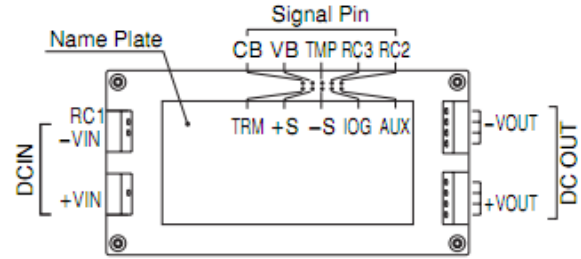
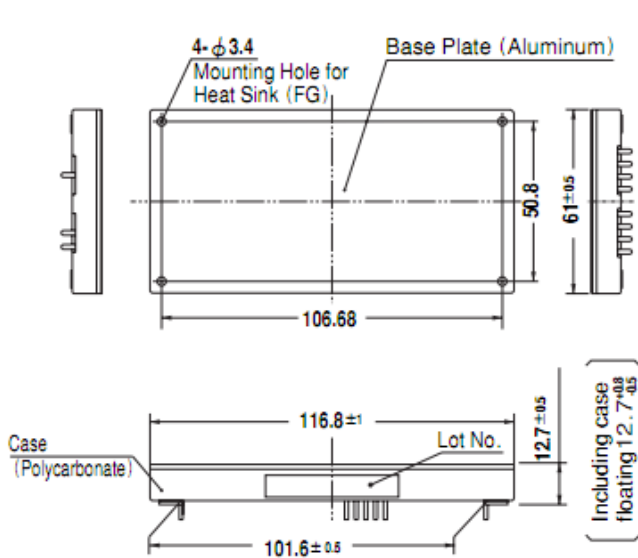
Models and Ratings

Model	Input Range	Output Voltage	Output Current	Efficiency
CDS5002428H	18~36 VDC	28.0 V	18.0 A	89~90%
CDS6002412		12.5 V	48.0 A	83~87%
CDS6002412H	20.5~36 VDC	12.5 V	48.0 A	87~90%
CDS6002428	18~36 VDC	28.0 V	22.0 A	86~87%
CDS6002428H	19~36 VDC	28.0 V	22.0 A	89~90%
CDS6004812	36~76 VDC	12.5 V	56.0 A	89~91%
CDS6004828		28.0 V	25.0 A	89~90%

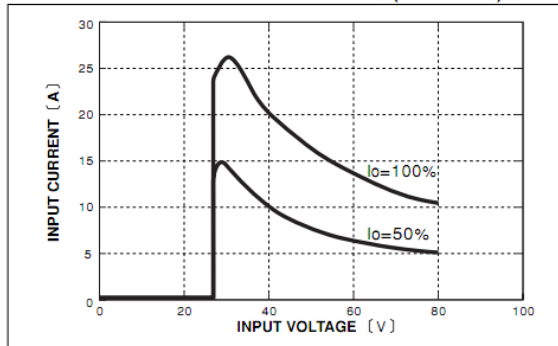
For mechanical data and pinout, see next page

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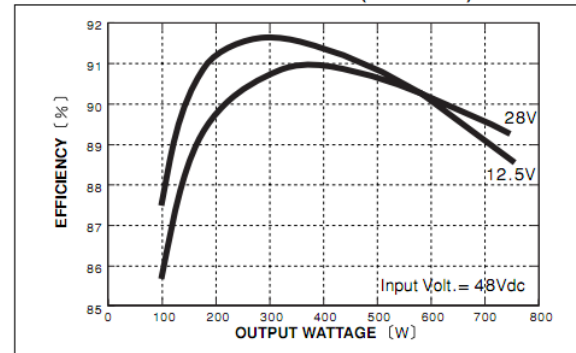
Mechanical Details and Pin-Out



INPUT CURRENT CHARACTERISTICS (CDS60048)



EFFICIENCY CHARACTERISTICS (CDS60048)



Specifications may change without notice, E&OE. ALL PSU Terms & Conditions apply
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