

## IDC300S

## DC/DC secondary power supply



- Constructive: CompactPCI Power Interface compliant
- Maximum output power: 312 W;
- Input voltage range: 16.6-160 V;
- Active PFC (Power Factor Correction) meets IEC1000-3-2 Harmonic Correction
- Internal OR-ing Diodes for N + 1 redundancy
- Output voltage: +12V 26A, +5V 2A.
- Supports remote ON/OFF
- Supports power failure signal & degradation signal

# Technical Data

## Model Name

- IDC300S
- PICMG® Standards: PICMG CPCI.S-0®
- Form Factor: 3U cPCI (100 x 160mm), 2-slot (8HP) wide

## Input Voltage

- Input Voltage: 16.6 - 160 VDC
- Input Frequency: DC
- Input Current: Peak 32.6A @ 24 VDC
- Inrush Current: N/A
- Power Factor (PFC, only for AC): Correction Typical 0.95-0.97  
Meets Harmonic Correction IEC1000-3-2

## Output Voltage

- Output Voltage/Current  
12V Typ. 26.0A,  
5V: Typ. 2.0A.

Max. load is the continuous operating load of each rail individually. The max. load of each rail cannot be drawn from all outputs simultaneously.

Output Wattage: Typical 312W continuous

Line Regulation: Typical 0.1%

Load Regulation: Typical  $\pm$  1-2%

Available at 5V and +12V outputs and current sharing

N+1 Redundancy: Equipped with internal OR-ing diodes at all outputs for N+1 redundancy operation

## Power Failure Signal

Available at [FAL#] pin

## Power Degradation Signal

Available at [DEG#] pin

# Contact Information

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