

POWERSUPPLIES

SD-100, DC/DC converter 100W



- 2:1 wide input range
- LED indicator for power on
- 1500VDC I/O isolation

Technical data:

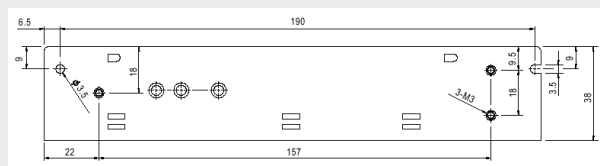
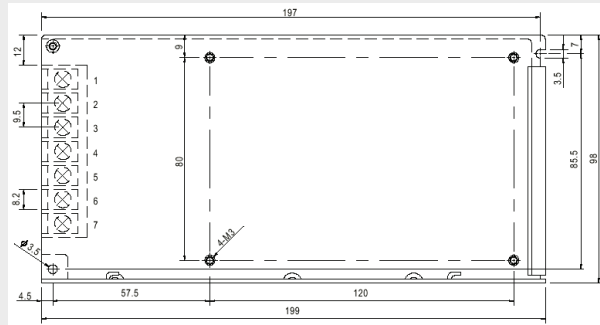
Input:

Input voltage: B:19-36VDC, C:36-72VDC, D:72-144VDC alt. 85-132VAC
 Input current: 6A/24V, 3A/48V, 1.5A/96V
 Inrush current at 96VDC: max 20A

Output:

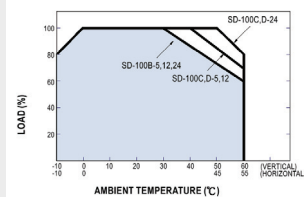
Output voltage: See table
 Output current: See table
 Adjustable output voltage: 4.5-5.5VDC, 11-16VDC, 23-30VDC
 Protections: Short circuit/Overload/Over voltage
 Overload protection: 5-35% over In, hiccup mode, auto-recovery
 Line regulation: +/-0.2-0.5%
 Load regulation 0-100% load: +/-0.2-0.5%
 Ripple: 100-150mVp-p depends of model
 Efficiency: 74-83%
 Temperature range: See derating curve
 Connection: Screw terminal 7pol
 Size: 199x98x38 mm
 Weight: 650g
 EMC: EN55022 class B, EN61000-4-2,3,4,6,8, ENV50204

Mechanical drawing:



Pin No.	Assignment	Pin No.	Assignment
1,2	INPUT *	4,5	DC OUTPUT -V
3	FG ±	6,7	DC OUTPUT +V

*SD-100B,C		*SD-100D	
Pin No.	Assignment	Pin No.	Assignment
1	DC INPUT V+	1,2	AC/DC INPUT
2	DC INPUT V-		



Ordering information:

Type	Input voltage	Output voltage	Output current
SD-100B-5	19-36VDC	5VDC	20A
SD-100B-12	19-36VDC	12VDC	8.5A
SD-100B-24	19-36VDC	24VDC	4.2A
SD-100C-5	36-72VDC	5VDC	20A
SD-100C-12	36-72VDC	12VDC	8.5A
SD-100C-24	36-72VDC	24VDC	4.2A
SD-100D-5	72-144VDC	5VDC	20A
SD-100D-12	72-144VDC	12VDC	8.5A
SD-100D-24	72-144VDC	24VDC	4.2A