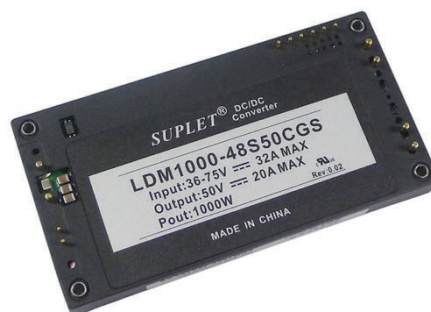


Features

- Industry standard “Full-brick” footprint
- Up to 20A output current
- High efficiency up to 94.5%
- Low output ripple and noise
- Excellent thermal performance
- Adjustable output voltage(-50%~+15%Vo)
- IUVP, OVP, OTP, OCP, SCP
- Compliance with the EU RoHS directive 2011/65/EU and (EU)2015/863



General Specifications

Input Characteristics

Parameter	Specifications
Input voltage <small>Note①</small>	36-75Vdc
Remote Control <small>Note②</small>	Current control

Protection Characteristics

Parameter	Specifications
Input under voltage protection	Yes
Input under voltage protection	Hiccup mode Automatic recovery
Over current protection	Hiccup mode Automatic recovery
Short circuit protection	Hiccup mode Automatic recovery
Over temperature protection	Hiccup mode Automatic recovery

Output Characteristic

Parameter	Specifications
IOutput power <small>Note①</small>	1000W
Output voltage <small>Note①</small>	50Vdc
Output voltage precision	±2%
Output voltage trim logic <small>Note②</small>	Positive(S), Negative(Blank)
Output voltage adjustment range	-50%~+15%Vo
Line regulation	±0.5%
Load regulation	±0.2%
Dynamic response	±0.75%Vo/150us @25%-50%-25% Io(nom), 50%-75%-50% Io(nom), di/dt=2.5A/μs
Ripple and noise	150mV

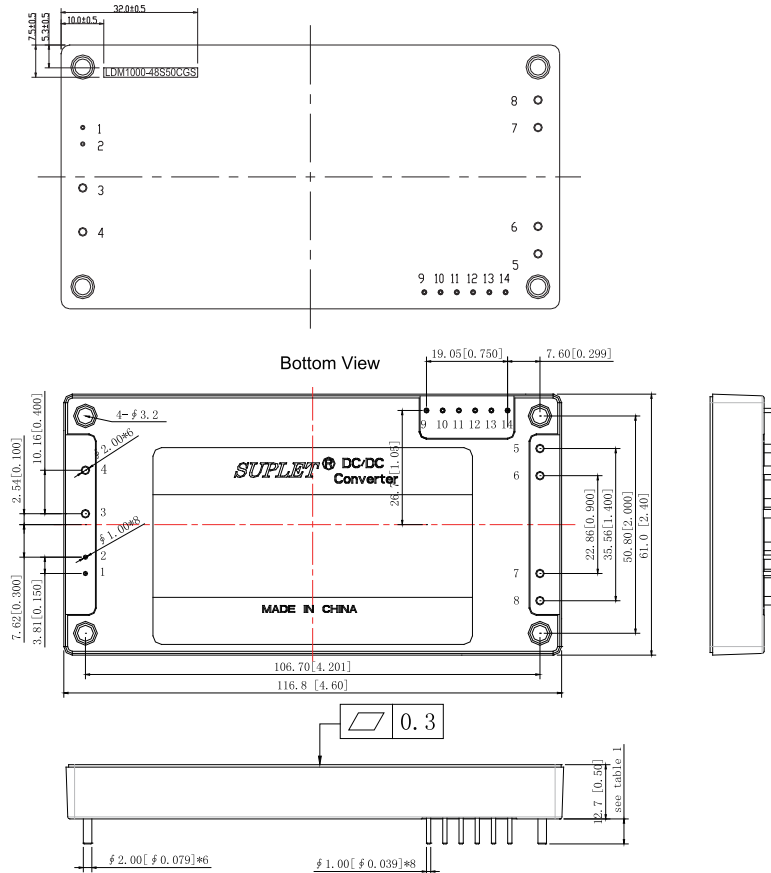
General Characteristic

Parameter	Specifications
Efficiency	94.5%
Operating ambient temperature	-40 C ~+85 C
Storage temperature	-55 C ~+125 C
Switching Frequency	200-280kHz
Temperature coefficient	200PPM
Isolation voltage	1500Vdc
Isolation resistance	10MΩ (min.)
Safety	Meets IEC60950-1&IEC/UL/EN62368-1
MTBF	3.2Mhours Telcordia SR-332 Issue4, 2016, 40 C
Packaging	Through-Hole

Note① Refer to order-information list in the following page for specific values of input and output

Note② Refer to the production naming rules

Outline Diagram (Unit:mm[inch])



Pin Designations

Pin No.	Symbol	Function	Pin No.	Symbol	Function
1	+REM	Positive remote control	8	Vo1	Positive output voltage
2	-REM	Negative remote control	9	AUX	Auxiliary
3	+Vin	Positive input voltage	10	IOG	Inverter operation good signal
4	-Vin	Negative input voltage	11	NC	No connection
5	GND	Negative output voltage	12	TRIM	Output voltage trim
6	GND	Negative output voltage	13	+S	Positive remote compensation
7	Vo1	Positive output voltage	14	-S	Negative remote compensation

Order Information

MPN	Input voltage	Output voltage	Output current	Power	Efficiency	Physical Dimensions
LDM800-48S28CGS	36-75Vdc	28Vdc	28.6A	800.8W	94%	Full brick
LDM1000-48S50CGS	36-75Vdc	50Vdc	20A	1000W	94.5%	Full brick

Note: All information contained in this catalog is subject to change without notice, please visit our official website www.suplet.com or contact our sales for the latest information.