

Технические характеристики на преобразователи напряжения DC/DC серии EZA

По вопросам продаж и поддержки обращайтесь:

Архангельск (8182)63-90-72
Брянск (4832)59-03-52
Вологда (8172)26-41-59
Иваново (4932)77-34-06
Калининград (4012)72-03-81
Киров (8332)68-02-04
Курск (4712)77-13-04
Москва (495)268-04-70
Нижний Новгород (831)429-08-12
Орел (4862)44-53-42
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Самара (846)206-03-16
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Краснодар (861)203-40-90
Липецк (4742)52-20-81
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Новокузнецк (3843)20-46-81
Оренбург (3532)37-68-04
Ростов-на-Дону (863)308-18-15
Санкт-Петербург (812)309-46-40
Сочи (862)225-72-31
Томск (3822)98-41-53
Ульяновск (8422)24-23-59
Череповец (8202)49-02-64

Белгород (4722)40-23-64
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Екатеринбург (343)384-55-89
Казань (843)206-01-48
Кемерово (3842)65-04-62
Красноярск (391)204-63-61
Магнитогорск (3519)55-03-13
Набережные Челны (8552)20-53-41
Новосибирск (383)227-86-73
Пенза (8412)22-31-16
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Саратов (845)249-38-78
Ставрополь (8652)20-65-13
Тула (4872)74-02-29
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Ярославль (4852)69-52-93

EZA2500-32048 Series



2500W Bi-Directional DC-DC Converter

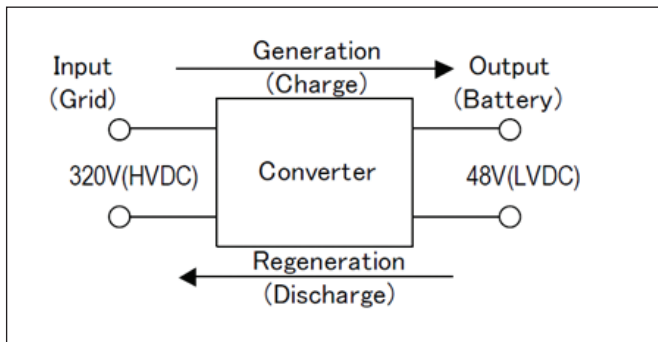
Features	Benefits
1U rackmount	Utilises less system space
High efficiency >92%	Minimises heat in system
Digital Interface	User configurable & offers various operation modes
Full Digital Control	Unit features fast charge/discharge & discharge/charge direction changes



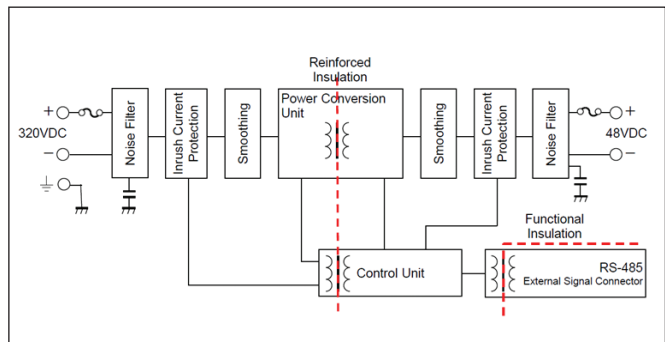
Specification			
Model		Low Voltage DC (Battery Side)	High Voltage DC (Grid Side)
Voltage Range (1) (2)	VDC	36 - 60VDC (48V Nominal)	300 - 380VDC (320V Nominal)
Output Current (Maximum)	A	±52A	±7.8A
Constant Current Programming Range (1) (2)	A	2.4 - 56A	0.5 - 8.5A
Maximum Output Power	W	±2,496W	±2,496W
Efficiency	%	≥92%	≥92%
Pre-charge Voltage (required)	VDC	>36V	>300V
Inrush Current (Typical)	A	5.5A	3.6A
Line Regulation (Maximum)	-	240mV	1.52V
Load Regulation (Maximum)	-	480mV	3.04V
Temperature Regulation (Maximum)	-	300mV	1.9V
Output Ripple & Noise (Maximum pk-pk)	-	480mV	3.2V
Sink Current (When applied V > output set V)	mA	300mA	50mA
Overcurrent Protection (Manual reset)	A	60A	9.5A
Overpower Protection	W	2600W (Constant power)	2600W (Constant power)
Under & Overvoltage Protection (2)	V	32 - 68V	260 - 410V
Overtemperature Protection	-	Yes, Alarm signal is given	
Remote On/Off & Reset (2)	-	Yes	
Parallel Operation	-	Yes (Droop mode, can be set via RS-485)	
Front panel Indicators and Settings	-	Operating mode (Generating, Regenerating & Alarm), Alarm clear & RS-485 address selection	
Operating Temperature	°C	-10 to +40°C, full load	
Storage Temperature	°C	-20 to +70°C	
Humidity (Non condensing)	%RH	Operating: 30 - 90%RH, Storage: 10 - 95%RH	
Cooling	-	Internal fan	
Vibration (Non operating)	-	10-500Hz (1 min sweep), 10.2m/s ² constant for 1 hour in each direction: X, Y & Z axis	
Shock	-	196.1m/s ² maximum	
Withstand Voltage	-	Input (HVDC) to Output (LVDC) 3kVAC, Input to Ground 2kVAC, Output to Ground 500VAC	
Isolation Resistance	MΩ	>100MΩ at 25°C & 70%RH, Output to Ground 500VDC	
Safety Certifications	-	UL60950-1, CSA60950-1, EN60950-1, CE mark	
Size (W x H x D)	mm	422.8 x 43.6 x 400	
Weight	g	8000	
Warranty	Yrs	5	

Notes: (1) See installation manual for detailed specifications & test methods (2) Can be set via RS-485

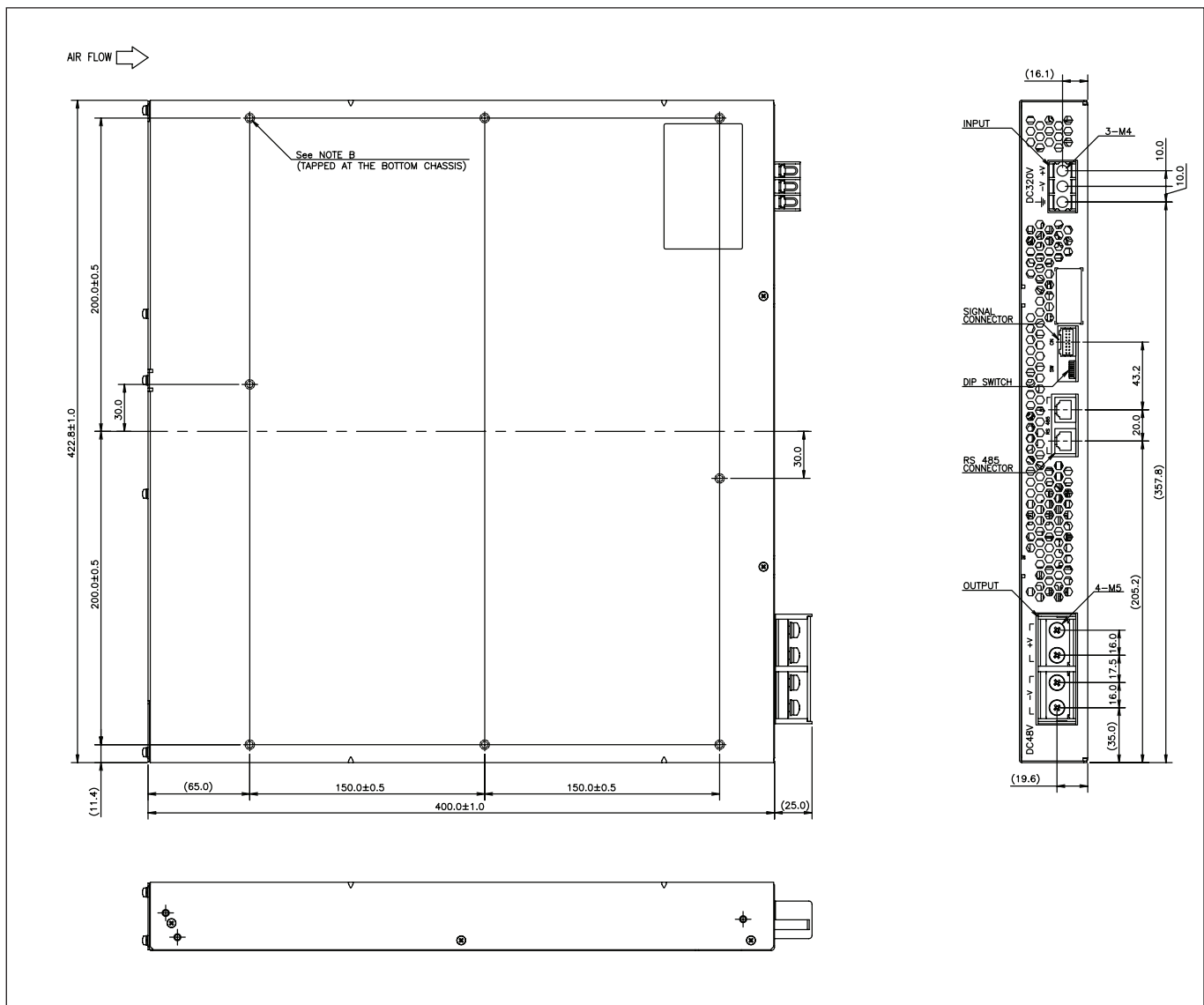
Basic Operation



Block Diagram



Outline Drawing EZA Series



RS-485 Functions			
Model		Low Voltage DC (Battery Side)	High Voltage DC (Grid Side)
Voltage Setting Accuracy	-	< $\pm 0.6V$	< $\pm 4V$
Current Setting Accuracy	-	< $\pm 0.8A$	< $\pm 0.125A$
Voltage Setting Resolution	-	< 60mV	< 0.4V
Current Setting Resolution	-	< 50mA	< 8mA
Voltage Reading Accuracy	-	< $\pm 0.6V$	< $\pm 4V$
Current Reading Accuracy	-	< $\pm 0.8A$	< $\pm 0.125A$
Voltage Reading Resolution	-	< 60mV	< 0.4V
Current Reading Resolution	-	< 50mA	< 8mA
RS-485 Baud Rate	-	19.2kbps / 33.6kbps / 57.6kbps (Set by DIP Switch)	
RS-485 Maximum Connection	-	14	

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