



15KW DC Charging Power Supply Module (500V/750V)

Deltrix offers a range of standard 15KW Power modules with a 3-phase AC Input. Output Voltage and Current can be controlled and monitored by a CAN bus Interface. The modules are suitable for modular EV chargers, Industrial Battery Chargers and Industrial Current Sources.

Features

- High power density (15KW) in a small form factor that saves space
- Wide range of input voltage from 156 to 502V
- Input power factor can reach 0.99, the efficiency can reach over 95%.
- Ultra-wide range of output voltages from 200 to 750VDC or 200 to 500VDC to meet various voltage demands of different batteries
- The module is equipped with standard CAN Bus communication interface that can easily exchange data with external devices
- Input over voltage protection
- Under voltage alarm
- Output over current and short circuit protection functions
- Multiple modules in parallel for redundant
- Forced Air Cooling



Applications

- EV Charger Parks
- Modular EV Fast Chargers
- Industrial Battery Chargers
- Industrial Current Source (Power Supply / DC Load)

Technical Specifications

		DT15AD01M	DT15AD02M
Electrical	Description	AC to DC Charging Power Supply Module	AC to DC Charging Power Supply Module
	Direction	Mono	Mono
	Power Rating: AC to DC	15KW constant power	15KW constant power
Input	Input Voltage: AC Side	156 to 502V	323 to 437V
	Input Current: AC to DC	0-30A	<30A
	Input Frequency	50-60Hz	50-60Hz
	Full Load Efficiency	≥95	≥95
Output	Output Current: AC to DC	0-25A	0-30A
	Output Voltage: DC Side	200 to 750V	300 to 500V
	Output ripple and noise	≤±1%Vo	≤±1%Vo
Protection	Power factor correction	Yes	Yes
	Over/under voltage protection	Yes	Yes
	Lost phase alarm	Yes	Yes
	Output over current protection	Yes	Yes
	Output over voltage protection	Yes	Yes
	Output short circuit protection	Yes	Yes
	Over temperature protection	Yes	Yes
General	N+1 parallel operation	Yes	Yes
	Supports current sharing	Yes	Yes
	Cooling	Fan cooled	Fan cooled
	Operating Temperature	-40—+60°C	-40—+60°C
	Acoustic noise	≤55dB	≤55dB
	MTBF	250Khours	250Khours
	Interfacing	CAN Bus	CAN Bus
	Dimensions (HxWxD)	84mm x 306mm x 450mm	84mm x 306mm x 450mm
	Weight	11KG	11KG
	CE Approval	Yes	No (Pending)

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