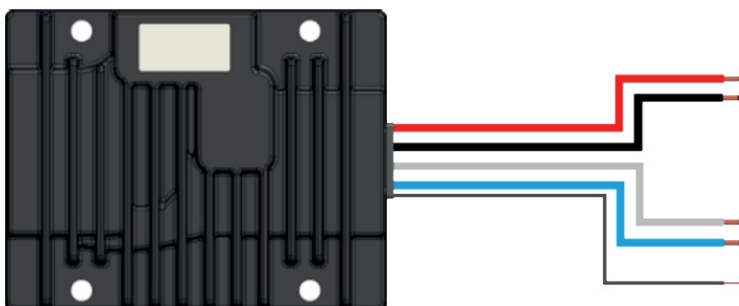




DC-DC Converter

AP-P300AM A



Delta AP-P300AM A is a dc-dc converter with outstanding efficiency and power density. The compact module designed for battery charging and auxiliary supply and can deliver power up to maximum of 280W.

Various protection like input over voltage, under voltage protection, output under voltage, output short-circuit, output over voltage more makes solution safe and reliable.

Main Features :-

- Wide input output range : 36 to 60 VDC
- Efficiency, $\geq 90\%$
- Max capacity 280W.
- Protections – input over voltage, under voltage, output over voltage, under voltage, short circuit protection.
- IP67
- Operating temperature : -10° to 70°C (power derating to 155W after 55°C)

Technical Specifications

Input	
Voltage range	36 VDC ~ 60 VDC
Voltage nominal	48 VDC
Current	Max. 10 A

Output	
Voltage range	8 VDC ~ 14.2 VDC
Voltage nominal	14 VDC
Capacity	Max. 280W
O/P Current	20 A

General	
Efficiency	$\geq 9\%$ @ 100% load (48 VDC)
Output voltage ripple	\leq voltage ripple $\leq 3\%$ rated voltage
Output current ripple	\leq current ripple $\leq 2\%$ of rated current
Protections	Output over voltage, input over & under voltage, output over current, short circuit.
Operating temp.	-10°C to $+55^{\circ}\text{C}$ (above 55°C power derating till 70°C)
Cooling	Natural cooling
Dimensions (WxDxH)	112*88*37 mm
Ingress protection	\geq IP67

Delta Electronics India Private Limited

Plot No 69-A-B-C-D

Bommasandra Industrial Area, Hosur Main Road.

Bangalore, Karnataka, India, 560099

Email : emobility@deltaww.com

