



# 25 AMP DC TO DC LITHIUM CHARGER

## FEATURES

- High Efficiency: 91 % @ 12 Vdc Input.
- Fast Charging.
- Protections for Overcurrent, Overvoltage, and Temperature.
- Ignition Controlled.



## EX-25DC

### CHARGER DATA SHEET

Output Parameters	
Profile	CC-CV 2-Stage
Voltage	14.6 Vdc ± 0.1 Vdc
Overvoltage Protection	Yes
Overcurrent Protection	Yes
Output Current	25 A
Profile Chemistry	LiFePO <sub>4</sub>
No Load Current	60 mA @ 12 Vdc
Parallel Connection	2 Chargers

Mechanical Parameters	
Dimension (L x W x H)	7.09 in x 4.72 in x 1.57 in (180 mm x 120 mm x 40 mm)
Weight	2.5 lbs (1.1 kg)
Wire Size	8 AWG
Housing	Extruded Aluminum Case
Ingress Protection	IP67
Cooling	Heatsink, Convection
Compliance	RoHS / CE

Input Parameters	
Nominal Voltage	12.8 Vdc
Minimum Voltage	10.0 Vdc
Maximum Voltage	16.0 Vdc
Efficiency	91 % @ 12 Vdc

Temperature Parameters	
Operating Temperature	-4 °F to 132 °F (-20 °C to 56 °C)
High Temperature Protection	Yes
Storage Temperature	-20 °F to 150 °F (-29 °C to 66 °C)
Operating Humidity	20 % - 100 % RH

**DISCLAIMER:** While every precaution has been taken to ensure the accuracy of the contents within this document, Expion360, Inc. assumes no responsibility for errors or omissions. Note as well that specifications and product functionality may change without notice.



**NOTE:** See Expion360, Inc. User's Manual for Proper Operation.  
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