DUROVOLT ±

CORE 51.2 | 105Ah

CORE Series – uncompromising power for extreme environments



The perfect choice for demanding applications where reliability and top performance are non-negotiable.

Key highlights:

Solid steel housing: Engineered for high mechanical strength and protection against shocks and vibration.

High-performance BMS: An active battery management system monitors and balances the cells for maximum service life and safety.

Full integration: Standard CAN bus for seamless communication with your system environment.

Ready for any weather: Optional heating function for reliable charging even at sub-zero temperatures.

Intuitive operation: Integrated on/off push button with status indication.

Intelligent ventilation management: Pressure equalisation valve with ePTFE membrane ensuring high air exchange to prevent condensation.

Customisable design: Supplied as standard in elegant anthracite powder coating – optionally available in your project's custom colour.

DUROVOLT

Bachstraße 15
63762 Großostheim
Germany

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ELECTRONIC SPECIFICATIONS

nominal capacity	105Ah
nominal current	5.376 Wh
nominal voltage	51,2 V
end-of-charge voltage	57,6 V
discharge cut-off voltage	44 V
self discharge	< 10% per

MECHANICAL SPECIFICATIONS

dimensions (LxWxH)	305 x 175 x 665 mm
weight	43 Kg
housing material	Steel (V4A)
IP-Rating	IP65
celltype / chemistry	Prismatic - LiFePO4
lifespan	>3000 (90% DOD)

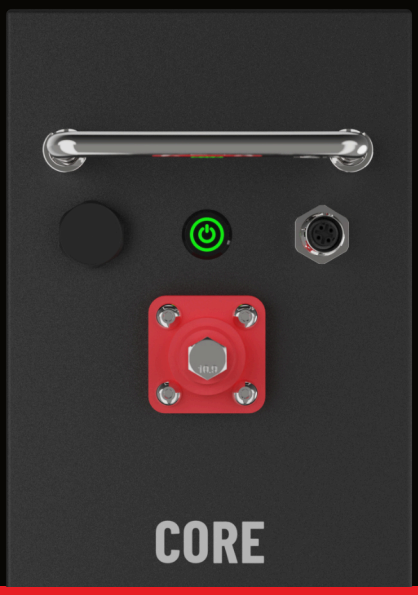
CHARGE AND DISCHARGE

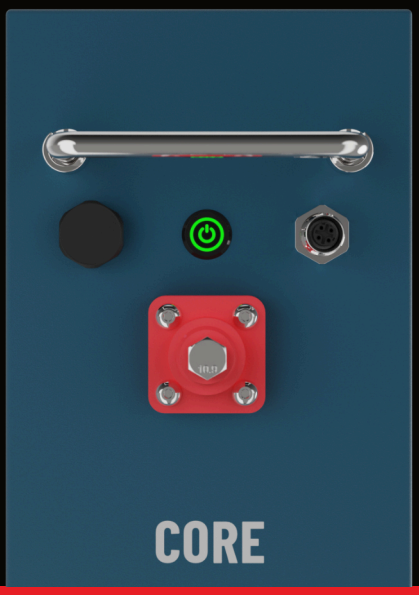
charging method	CCCV
charging voltage	56,8 V
max. charging current	55 A
max. discharge current	125 A
pulse discharge current (5 sec)	200 A

TEMPERATURES

charge temperature	0°C bis 45°C
discharge temperature	-20°C bis 45°C
storage temperature	-20°C bis 45°C







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