Product Data Sheet

2026-11-07



MG Master HV 19 Inch 750V/160A

MGMHV750160

Description

The Master HV 19 Inch 750V/160A is designed for a 19 inch rack system. The Master HV 19 Inch 750V/160A is equipped with SLP and an internal MCCB.

Unit height: 4U

The Master HV is the safety and control unit for high voltage battery systems. This high voltage BMS is suitable in the range of 300 Vdc up to 750 Vdc. Each battery string requires a Master BMS. To increase the system capacity, connect multiple strings in parallel. As a result your system voltage and capacity are fully scalable. This means: flexible in design and system integration made easier. Besides the safety and control functions, the Master HV monitors and tracks all relevant parameters to provide insight into the battery status and energy consumption. The compact design makes it ideal for use in applications with limited space.

Specifications

Environmental

Humidity (Non-Condensing)	≤ 95 %
Operating Temperature Range	-20 to +50 °C

IO

Aux. Output	24 V / 1 A
Emergency Switch Connection	Yes

Mechanical

Data Connection	CAN Bus M12
Height	171 mm
IP-Protection Class	IP30
Length	569 mm
Power Connection	SurLok Plus
Width	486 mm

Technical Specifications

Maximum Current	160 A
Maximum Voltage	750 Vdc
Minimum Voltage	300 Vdc
System Voltage	> 300 V

The specifications provided are for informational purposes only and are subject to change without notice. While every effort has been made to ensure the accuracy and completeness of the specifications, MG Energy Systems assumes no responsibility for any errors or omissions.

Logistics

HS code	8537109199
Shipping weight	18.4 kg
Classified as dangerous goods	No