

Part Number & Ordering Information*

Family	Input Voltage	Power	Output Voltage	Package
KMUS01	DC28: 20-32 V	P2K2: 2200 W	DC28: 20-32 V	EN: Enclosed System

* Full part numbering and options are available in the data sheet. "-" sign shall be placed in between all fields.

Features & Benefits

- 80 Amps continuous output
- 20-32 VDC Input & 24-29 VDC Alternator Input
- Built-In 6T Li-Ion Battery
- 3 Toggle Switches for Activating DC Input, Dimming Mode and Output
- RS422/485 Interface
- CAN BUS Interface
- 9 Led Indicators for Input, Output, Alternator and Errors
- Push Button for State for Charge (SoC)



Size: 273 x 361.4 x 360 mm

Weight: 34 kg (incl. 120 Ah lit. Battery)

Product Description

Battery Power Control Unit, can charge the built-in 6T Lithium-Ion batteries via vehicle alternator (24/29 VDC), this unit can be charged by both DC and Alternator Inputs and also can provide power from DC output.

This unit has DC input, Alternator, DC Output and maintenance connectors. There are 3 toggle switches on the front panel to activate the DC input, switch to dimming mode and active the output, and a push button to show the state of charge.

In addition, there are Input, Alternator and Output LEDs on the front panel of the device that shows the active power inputs and active output. If an error condition is detected, the error LED lights up as a warning.

Qualified to Meet

- MIL-STD-461F
- MIL-STD-1275 (D, E)
- MIL-STD-810

Absolute Maximum Ratings

The absolute maximum ratings below are stress ratings only. Operation at or beyond these maximum ratings may cause permanent to the device.

Paramater	Value
Operating Temperature	-30 to +50 °C
Storage Temperature	-40 to +60 °C

Screening

- Full LOT traceability
- Optional burn-in
- Temperature cycling
- Final visual inspection