

## **Smart Battery Module: DCB-105**



## Advantages of DCB-105 when used with BMS

- Optimized Control: BMS specifically designed for DCB-105
- Scalability: Connects up to 6 DCB-105 in series

## **Features overview**

- Battery status monitoring
  - Total voltage, current, temperature
- Abnormal status detection
  - Overcharge/discharge, overcurrent, abnormal temperature detection
- Charge status detection
  - Detects charge permission, full charge and recharge condition
- State of charge (SOC)
  - LED indicators
- Communication function
  - RS-485
  - Communication with BMS

## **SPECIFICATIONS**

	DCB-105 for series connection
Voltage	46.8V (39 – 52V)
Installed capacity (kWh)	3.38
Usable capacity @ typical voltage (kWh)	2.85
Charge input voltage	52V
Nominal charge rate	12A*
Nominal discharge rate	24A*
Charge temperature	5°C - 50°C (41F - 122F)*
Discharge temperature	-10°C - 50°C (14F - 122F)
Scalability	3-6 pcs in series
Size	440 x 450 x 84mm
Weight	approx. 25kg
Warranty	10 years or 7.56MWh Throughput (per module)

<sup>\*</sup>Dependent on temperature, duration and other environmental conditions.

The function of BMS is implemented in B-link produced by PIKA