

## 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 (PRELIMINARY DATA)

	DCB-105 for series connection
Voltage	46.8V (39 – 52V)
Installed capacity (kWh)	3.38
Usable capacity @ typical voltage (kWh)	2.65
Charge input voltage	52V
Nominal charge rate	12A*
Nominal discharge rate	24A*
Ambient temperature	5°C – 40°C (41F – 104F)
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

\*Dependent on temperature, duration and other environmental conditions.  
The function of BMS is implemented in B-link produced by PIKA