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)

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

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