

DB-M5000J



Product Features

High Cycle Life

≥10 years or 6000 cycles, effectively reducing the total cost of ownership.

Extreme Heat Tolerance

Suitable for use in a wider range of applications where ambient temperature is unusually high: up to +60°C.

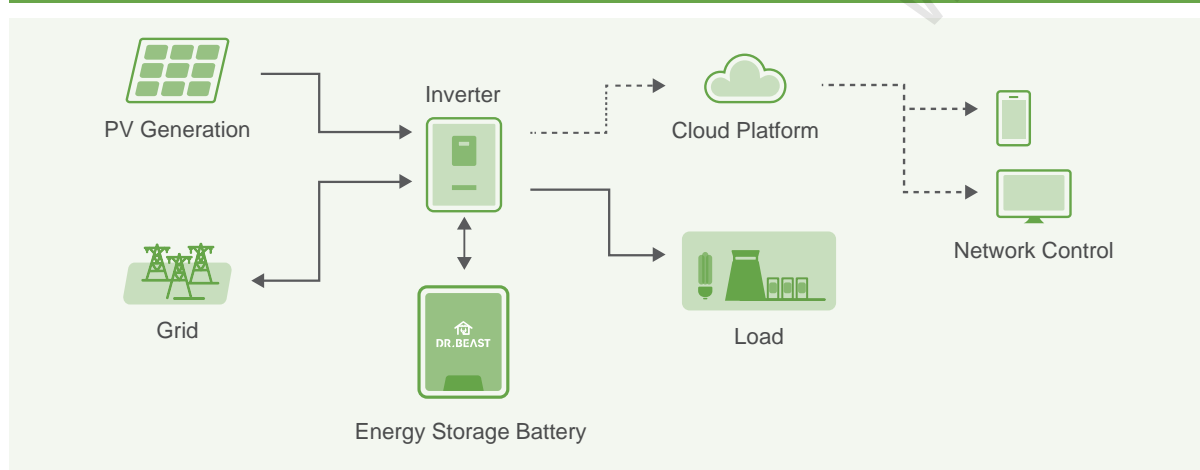
Quickly Recharge

Save time and increase productivity with less down time thanks to superior charge/discharge efficiency.

Lightweight

Lithium iron phosphate energy storage batteries provide more power.

Home Energy Storage Battery Application System



Nominal Voltage	51.2V
Nominal Capacity	100Ah
Capacity @ 100A	55min
Energy	5120Wh
IR	≤40mΩ @ 50% SOC
Self Discharge	<3% / Month
Built-in Battery Cell	LiFeP04
Recommended Charge Current	20A
Maximum Charge Current	≤100A
Recommended Charge Voltage	57.6V
BMS Charge Cut-Off Voltage	<58.4V
Reconnect Voltage	>56.8V
Balancing Voltage	<56.0V
Maximum Batteries in Series	16
Maximum Continuous Discharge Current	75A
Peak Discharge Current	≤100A(≤5S)
BMS Discharge Cut-Off Current	120A ±10A (50-150ms)
Recommended Low Voltage Disconnect	40V
BMS Discharge Cut-Off Voltage	>40V(2s)
Reconnect Voltage	>44V
Short Circuit Protection	450 ~ 800 μs
Dimension (L x W x H)	430*167*550mm
Product Weight	45kg
Case Material	iron
Enclosure Protection	IP55
Discharge Temperature	-4 ~ 131 °F (-20 ~ 55 °C)
Charge Temperature	32 ~ 113 °F (0 ~ 45 °C)
Storage Temperature	23 ~ 95 °F (-5 ~ 35 °C)
BMS High Temperature Cut-Off	149 °F (65 °C)
Reconnect Temperature	131 °F (55 °C)
Certifications	CE (battery)、UN38.3 (battery)、UL1642 & IEC62133 (cells)
Shipping Classification	UN 3480, CLASS 9