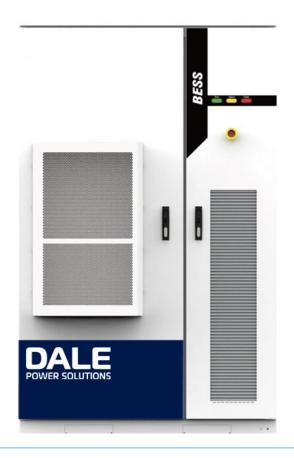
BESS Datasheet



Dale BESS

M-NBN-P30, M-NBN-P50



FEATURES







ENGINEER INSTALLATION



WITH SOLAR



I + I BATTER\



EFFICIENT



HIGHLIGHTS

- · Safe and reliable
- · CE certified.
- · Simple and user-friendly
- · Economical and efficient
- · Peak load shifting capability
- 5 Tier safety design

- · Integrated BMS/EMS, suitable for various applications
- Distributed energy integration
- · Long lifecycle/strong battery strength
- · Cloud-terminal smart battery management algorithm.
- · Efficient and energy-saving HVAC design

Integrated Outdoor Battery Energy Storage Cabinet

	d Outdoor Battery Energy Storage Cabinet
MODEL	M-NBN-P30 M-NBN-P50
Battery Parameters	
Cell Type	LiFeP04 - 280Ah
Battery Module Type	1P20S
System Capacity Range	107kWh
AC Side On-grid Parameters	
Grid Type	3P4W
Charging/Discharging Power	30kW 50kW
Rated Grid Voltage	AC400 (±15%)V
Frequency Range	45Hz ~ 55Hz
Rated AC Output Current	43A 72A
Power Factor	0.8 (Leading)~ 0.8 (Lagging)
Harmonics	≤3% (@rated power)
AC Side Off-grid Parameters	
Load Type	3P4W+PE
Rated Output Power	30kW 50kW
Rated Output Voltage	AC 400V±1%
Rated Output Frequency	50Hz
Frequency Accuracy	0.2Hz
General Parameters	
Dimension (W*H*D)	1233mm*2093mm*1304mm About 1500kg
Max. Weight	About 1500kg
Ingress Protection	IP55 (Battery Cabinet) IP54 (Electrical Cabinet)
Cooling Method	Battery Cabinet (air conditioner) & Electrical Cabinet (forced air cooling)
Fire Fighting System	Combustible gas detection + Novec1230 + water fire suppression
Anti-Corrosion Grade	СЗ
Relative Humidity	0-95% (non-condensing)
Operating Temperature	-20°c - 50°c
Operating Altitude	< 2000m
Noise Emission	≤75dB
Communication Interface & Protocol	RS485, Ethernet, Modbus RTU, Modbus TCP/IP
Display	НМІ
Warranty	5 years, (can be extended to 10 years)
Certifications	CE(IEC61000,IEC62477), IEC62619,IEC62109,UN3480,CEI021,CEI016, VDE2510 Converter: G99, VDE4105, EN50549, AS/NZS 4777, CE(IEC61000, IEC62477),IEC62109, NC RfG,





Looking for something more bespoke?

We can provide you with design consultancy, manufacture and ongoing maintenance for our products.

What we do

- Design, manufacture, installation, commissioning and servicing
- Experts in customised BESS solutions
- In-house mechanical and electrical design capability
- Solutions for any environment, application and location
- In-house project management team to manage the development and delivery of your product for exactly when you need it.

Get in touch with our team today to discuss your requirements.

hello@dalepowersolutions.com 0330 999 3000 dalepowersolutions.com



PACK: UN38.3