

Dale BESS

M-NBN-P30, M- NBN-P50



FEATURES



REMOTE
MONITORING



ENGINEER
INSTALLATION



DC COUPLING
WITH SOLAR



1 + 1
BATTERY



HIGHLY
EFFICIENT



24 HOUR
MONITORING

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

MODEL	M-NBN-P30	M-NBN-P50
Battery Parameters		
Cell Type	LiFePO4 - 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	C3	
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	HMI	
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, NRS097,VDE4110(on going) Cell: IEC62619, UL1973, UL1642, UL9540A PACK: UN38.3	



DALE POWER SOLUTIONS

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.

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