

NMA modular



KEY STRENGTHS

- Separate air duct design for high granularity temperature, IP60-IP20 protection classification design control.
- Bluetooth APP interaction is easy to debug and monitor.
- 19-inch 3U standard size design, support horizontal/vertical installation.
- Standard power capacity modules are adapted to standard energy storage cell clusters.
- Leading three-level space vector modulation SVPWM with wide voltage range charging and discharging for parallel operation of multiple machines.
- Leading midpoint balance technology, with DC component adjustment and low-frequency pulse current in the bypass bus, can prolong battery life and improve unbalanced and nonlinear adaptability.

DC(battery)			
Model	NMA050	NMA060	NMA0100
Max. DC power (kW)	60	75	126
DC voltage range (V)	590~950		
Max. DC current (A)	±100	±125	±200
Voltage stabilization accuracy	±1%		
Current stabilization accuracy	±2%		

AC(on-grid)			
Rated AC power (kW)	50	62.5	105
Max. AC power (kW)	60	75	126
AC connection	3W+PE		
Rated voltage (V)	400		
Rated AC current (A)	72	90	166
Max. AC current (A)	86	110	200
THDi	<2%		
Allowable grid voltage range (V)	400±15%		
Allowable grid frequency range (Hz)	50±2/60±2		
Power factor	-1~+1		

System			
Max. efficiency	98.5%		
Charge/discharge switching time (ms)	<20		
Protection degree	IP20 (power compartment) IP6X (control compartment)		
Relative humidity	< 95% (Non-condensing)		
Operating temperature range	-30°C~+60°C(>45°C derating)		
Max. operating altitude	5,000m(> 3,000m Derating)		
Communication interface	RS485/CAN/Ethernet		
BMS/EMS access	Yes		
Dimensions W *D *H (mm)	483*550*133	483*550*133	483*600*177
Weight (kg)	30	30	40

APPLICATIONS

- » » Peak load shifting
- » » Demand side management
- » » Emergency power supply
- » » Dynamic expansion