| 1250kW/2508kWh Next-Gen Microgrid BESS |

OneNexus M20

Powered by Innovative SLD Architecture



POWER CONTINUITY

- 0 ms Grid / Off-grid Transfer
- 0 ms Generator Cut-in / Cut-off
- Grid-forming & Black Start

HIGHLY INTEGRATED

- Built-in Grid, Generator & DC Interfaces
- Compatible with Various Generators
- Built-in EMS

LOWER ENERGY COST

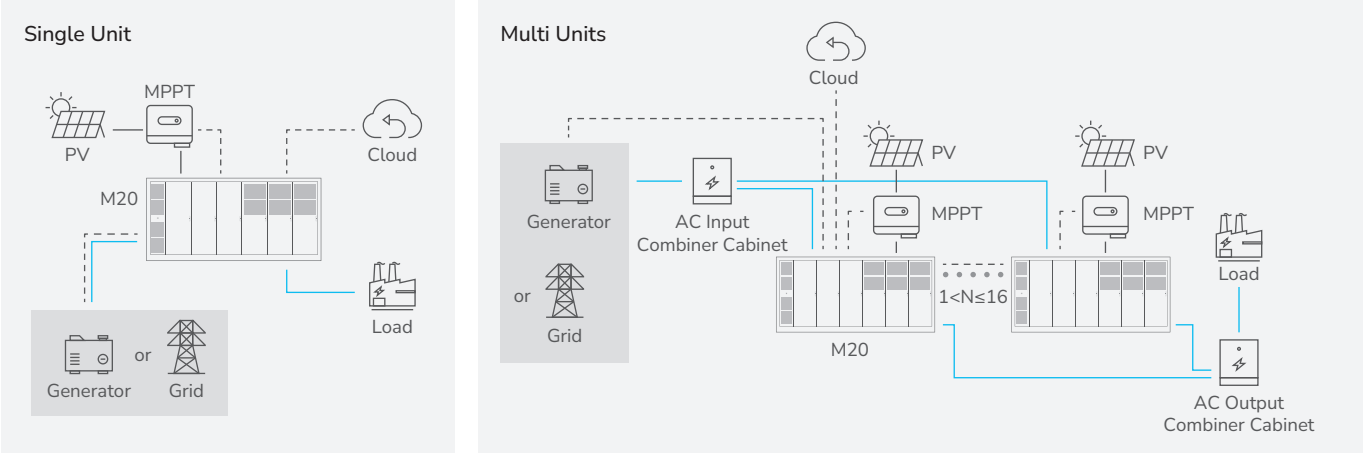
- Utility Grid Boost — Avoid Costly Grid Upgrades
- Smaller Generator Sizing & Up to 80% Fuel Savings
- DC-coupled Architecture — Higher Efficiency & Lower LCOE

EASY DEPLOYMENT

- External MPPT — Flexible PV Installation
- IP66 PCS & Battery System — Longer Service Life
- Up to 16 Units in Parallel

SYSTEM DIAGRAM

AC Line — DC Line ------ Communication Line



PRODUCT SPECIFICATIONS

Model		M20
Battery	Battery Type	LiFePO4
	Rated Energy (kWh)	2508
	Cell Cycle Life (70% EOL)	>8000
AC	Rated Power (kW/kVA)	1250/1250
	Rated Current (A)	1804
	Rated AC Voltage (V)	380 / 400
	Rated Frequency (Hz)	50 / 60 (5 ~ -5)
	On-Off-grid Switch Time (ms)	0
	THDv (@ Linear Load)	<3%
	Connection	3+N+PE, Quick-plug Connector
Generator Input	Rated Power (kW)	1000
	Rated Current (A)	1443
	Rated Voltage (V)	3+N+PE, 380/400
	Rated Frequency (Hz)	50 / 60
Efficiency	Battery Round-trip Efficiency	≥93.5%
	Battery to AC Efficiency(@Rated Power)	≥98.0%
General Parameters	Communication	Wi-Fi / Ethernet / CAN / RS485
	Topology	Transformer inside
	Operating Ambient Temperature (°C)	-20 ~ +50
	Operating Ambient Humidity (%)	5–95 (No Condensing)
	Cooling Method	Liquid Cooling(Battery), Air Cooling(PCS)
	Altitude (m)	<3000
	Ingress Protection	IP55 (Enclosure), IP66 (PCS), IP67 (Battery)
	Corrosion Protection	≥C4
	Dimensions (L×W×H) (mm)	6096×2438×2896
	Weight (T)	27.5
	Grid Connection Standard	AS/NZS 4777.2:2020, VDE4110, G99, EN 50549-1&2/EN 50549-10
	Certification	CE, UN 38.3

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LONGi

| 864kW/2508kWh Compact Microgrid BESS |

OneNexus M20C

Compact Power for Microgrids



POWER CONTINUITY

- 20 ms Grid / Off-grid Transfer
- Generator & BESS Parallel Operation
- Grid-forming & Black Start

HIGHLY INTEGRATED

- Built-in Grid & DC Interfaces
- Optional Integrated STS
- Built-in EMS

LOWER ENERGY COST

- Optimized for Solar Self-consumption
- Flexible 3-8hours Configurations
- DC-coupled Architecture — Higher Efficiency & Lower LCOE

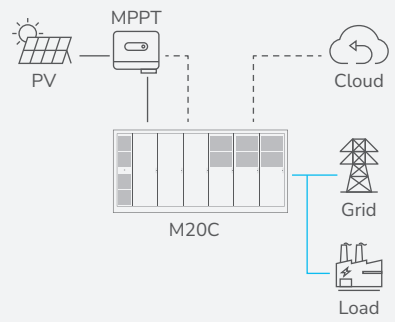
EASY DEPLOYMENT

- External MPPT — Flexible PV Installation
- IP66 PCS & Battery System — Longer Service Life
- Up to 2 Units in Parallel

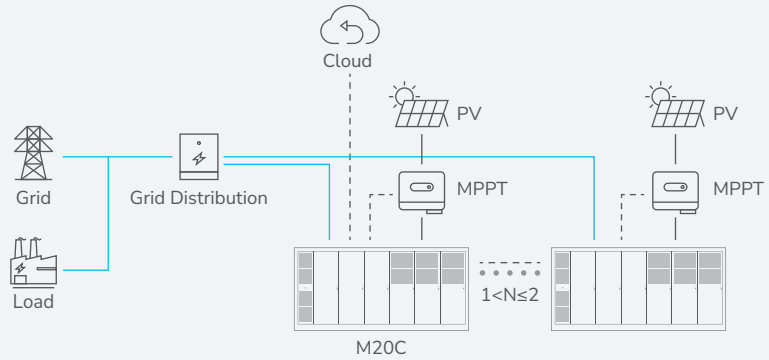
SYSTEM DIAGRAM

AC Line — DC Line ------ Communication Line

Single Unit



Multi Units



PRODUCT SPECIFICATIONS

Model		M20C
Battery	Battery Type	LiFePO4
	Rated Energy (kWh)	2508
	Cell Cycle Life (70% EOL)	>8000
AC	Rated Power (kW/kVA)	864/864
	Rated Current (A)	1247
	Rated AC Voltage (V)	380 / 400
	Rated Frequency (Hz)	50 / 60 (5 ~ -5)
	On-Off-grid Switch Time (ms)	20
	THDv (@ Linear Load)	<3%
	Connection	3+N+PE
Efficiency	Battery Round-trip Efficiency	≥93.5%
	Battery to AC Efficiency(@Rated Power)	≥98.0%
General Parameters	Communication	Wi-Fi / Ethernet / CAN / RS485
	Topology	Transformer inside
	Operating Ambient Temperature (°C)	-20 ~ +50
	Operating Ambient Humidity (%)	5–95 (No Condensing)
	Cooling Method	Liquid Cooling(Battery), Air Cooling(PCS)
	Altitude (m)	<3000
	Ingress Protection	IP55 (Enclosure), IP66 (PCS), IP67 (Battery)
	Corrosion Protection	≥C4
	Dimensions (L×W×H) (mm)	6096×2438×2896
	Weight (T)	25.8
	Grid Connection Standard	AS/NZS 4777.2:2020, VDE4110, G99, EN 50549-1&2/EN 50549-10
	Certification	CE, UN 38.3

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