Technical Specifications

Item	LMN-144S-261BP	LMN-144S-261B	LMN-144S-261BM
PV			
Container Type	20HQ	20HQ	20HQ
Total Power	144kWP	144kWP	144kWP
Module Power per Unit	720W	720W	720W
Module Open-Circuit Voltage	~49V	~49V	~49V
Module Short-Circuit Current	18.55A	18.55A	18.55A
Module Connection	20pcs/String	20pcs/String	20pcs/String
BESS			
Storage Type	Cabinet Type	Cabinet Type	On-Board
Cell Type	LFP314AH	LFP314AH	LFP314AH
PACK Configuration	1P52S	1P52S	1P52S
Battery Cluster Configuration	1P260S	1P260S	1P260S
Battery Nominal Voltage	832V	832V	832V
Battery Voltage Range	650 - 949V	650 - 949V	650 - 949V
Max Battery Charge/Discharge Current	157A	157A	157A
Battery Capacity	261kWh	261kWh	261kWh
Cooling Method	Liquid Cooling	Liquid Cooling	Liquid Cooling
PCS Rated Output Power	125kW	External 125kW Hybrid Inverter Support Off-grid Mode	125kW
PCS AC Voltage	230/400V		230/400V
PCS AC Frequency	50/60Hz		50/60Hz
PCS Overload Capacity	1.25x Rated Power for 10s		1.25x Rated Power for 10s
PCS DC Voltage Range	650 - 950V		650 - 950V
Off-Grid Function	Optional Off-Grid Inverter		Optional Off-Grid Inverter
Protection Rating	IP55	IP55	IP54
Dimensions W/D/H	1080×1586×2350mm	1080×1586×2350mm	1080×1586×2350mm
Operating Ambient Temperature	-30~+55℃, Derating above 45℃	-30~+55℃, Derating above 45℃	-30~+55℃, Derating above 45℃
Relative Humidity	0~95% Non-Condensing	0~95% Non-Condensing	0~95% Non-Condensing
Altitude	4000m, Derating above 2000m	4000m, Derating above 2000m	4000m, Derating above 2000m
EV Charger			
Charging Module Power	/	/	120kW
Charge Coupler	/	/	1Unit
Voltage Range	/	/	200~1000V
Other			
*Annual Energy Yield (based on 1460 hours)	210240/kWh	210240/kWh	210240/kWh
Genset Integration	Add AC Distribution Cabinet	Supported by Hybrid Inverter	Reserved DG interface

Note: LMN-144S(n1)-261BP(n2)/LMN-144S(n1)-261B(n2), n1 and n2 can be configured per project. Off-grid: n2 ≤ 6; On-grid: no limit on n2. n1 On-Grid / Off-Grid has no limit.

*Data for reference only

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