Technical Specifications

Item	LMA10-38S-40B2	LMA20-92S-40B5
Container		
Container Type	10GP	20HQ
PV Capacity	38.88kWp	92.16kWp
Energy Storage Capacity	80kWh	200kWh
Protection Grade	IP65	IP65
Corrosion Protection Grade	C5	C5
Unfolded Length x Width	82.4*2.9m	86.4*6m
Weight	7T	14T
Ambient Temperature	-20 ~ +50℃	-20 ~ +50℃
Relative Humidity	0~95%(non-condensing)	0~95%(non-condensing)
Altitude	4000m, >2000m derating	4000m, >2000m derating
PV Module		
Module Power	540W	720W
Open Circuit Voltage	~40V	~49V
Short Circuit Current	16.32A	18.55A
Series System	18pcs/String	16pcs/String
Quantity	72pcs	128pcs
Battery		
Battery Type	LFP 100AH	LFP 100AH
Pack Configuration	1P16S	1P16S
Battery Cluster Configuration	1P128S	1P128S
Single Cluster Capacity	40.96kWh	40.96kWh
Single Cluster Voltage	352~467.2V	352~467.2V
Charge/Discharge Current	50A	50A
Number of Battery Clusters	2 clusters	5 clusters
Hybrid Inverter		
Inverter Power	15kW	50kW
System Voltage	1000V	1000V
Rated Voltage	600V	600V
MPPT Voltage	200~850V	150~850V
MPPT Trackers	4 channels	4 channels
Max. Current / MPPT	20A	42A
Rated Output Power	15kW	50kW
AC Output Voltage	230/400V	230/400V
AC Output Frequency	50/60Hz	50/60Hz
Load		
Peak Power	15kW	50kW
Max. Single Inductive Load Power	2kW	6kW
Diesel Generator (DG)		
Diesel Generator Power (DG Power)	15kW (External)	50kW (External)
Transfer Time	≤10ms	≤10ms
Others		
Annual Energy Generation	1460h effective sun, Approx. 56,765 kWh	1460h effective sun, Approx. 134,554 kWh
	1825h effective sun, Approx. 70,956 kWh	1825h effective sun, Approx. 168,193 kWh
Energy Storage Autonomy	120 kWh, supports ~12	300 kWh (supports ~12 h) 200 kWh (supports ~19 h)

Note: Up to 5 units can be paralleled.

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