Technical Specifications

Item	LMN-144S3-15B	LMN-144S4-20B
PV Container		
Container Model	LMP20-144S	LMP20-144S
Number of PVContainers	3	4
Total PV Power	432kWP	576kWP
Module Power	720W	720W
Open Circuit Voltage	~49V	~49V
Short Circuit Current	18.55A	18.55A
Module String Configuration	20strings	20strings
Energy Storage Container		
Cell Type	LFP314AH	LFP314AH
Pack Configuration	1P48S	1P52S
Battery Configuration	6*1P240S	8*1P260S
Battery Rated Voltage	768V	832V
Battery Voltage Range	660- 876V	650 - 949V
Max. Charge/Discharge Current	6*157A	8*157A
Battery Capacity	1446.9kWh	2088kWh
Cooling Method	Liquid cooling	Liquid cooling
Fire Suppression Svstem	Aerosol	Aerosol
PCS Rated Output Power	500kW	500kW
PCS AC Voltage	230/400V	230/400V
PCS AC Frequency	50/60Hz	50/60Hz
PCS Overload Capability	1.1xratedpower continuous 1.2x1min	1.1xratedpower continuous 1.2x1min
PCS DC Voltage Range	500 - 950V	500 - 950V
Max. Number of MPPT	10	10
MPPT Single Power	75kW	75kW
MPPT Voltage Range	250-1000V	250-1000V
Other		
EMS Control System	Included	Included
Annual EnergyGeneration (1460h)	Appr. 630,720kWh	Appr. 630,720kWh
Annual EnergyGeneration (1825h)	Appr. 7,884,000kWh	Appr. 7,884,000kWh
Generator Integration	MPPT with integrated 500kW STS switch	MPPT with integrated 500kW STS switch

Note: Up for 6 units can be paralleled.

Web: raystechsolutions.com.au
Email: enquiries@raystechsolutions.com.au
Head office: Unit 1/22 Ashover Rd, Rocklea QLD 4106