



# OPTIM US L260-OMNI

M7-1000V-125kW/260kWh



260~1560kWh



125~750kW



0.5C



400Vac



PCS Integrated



Superior Safety



Extraordinary Performance



Easy Set-up & Maintenance



Wide Temp  
Range



Ancillary  
Service



Electricity  
Arbitrage



Demand  
Response



Backup

# L260-OMNI

OPTIM US / L260-OMNI

| General Data                                             |                                                                                                                               | M7-1000V-125kW/260kWh |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Dimension (W*D*H mm,w/o inverter)                        | 950*1300*2480                                                                                                                 |                       |
| Weight (tons)                                            | 2.9                                                                                                                           |                       |
| Working Temperature Range (°C)                           | -25-50*                                                                                                                       |                       |
| Protection Class                                         | IP55                                                                                                                          |                       |
| Altitude (m)                                             | ≤3000                                                                                                                         |                       |
| Humidity                                                 | 5%-95%                                                                                                                        |                       |
| Fire extinguishing                                       | Aerosol                                                                                                                       |                       |
| Cooling System                                           | Liquid Cooling                                                                                                                |                       |
| Cooling system consumption (kW, Cooling/Heating)         | 2.56                                                                                                                          |                       |
| Aux. Power Consumption (kW, continuous/peak, incl. HVAC) | 2.7/3.85                                                                                                                      |                       |
| Max.parallel No.                                         | 6                                                                                                                             |                       |
| Anti-corrosion                                           | C3 (C5 Optional)                                                                                                              |                       |
| Certification*                                           | IEC62619/IEC62040-1/CE/VDE2510-50/UL1973/UL9540A<br>CE EMC/CE LVD/EN 50549-1: 2019/EN 50549-2: 2019/IEC 61000-6-2/IEC 62477-1 |                       |

| Battery Data                           |                             |
|----------------------------------------|-----------------------------|
| Battery Type                           | Li-ion (LFP)                |
| Nominal Capacity (kWh)                 | 260                         |
| Depth of Discharge                     | 98% (single string)         |
| Cycle Life                             | >8500                       |
| DC Voltage Range (Vdc)                 | 702-936 (single string)     |
| Max. /Continuous Operation Current (A) | 200/157                     |
| Round-trip Efficiency@ 0.5C-rate       | >95%                        |
| PCS DC/AC Data On-grid Mode            |                             |
| Rated AC Power (kW)                    | 125                         |
| Rated AC Output Voltage (Vac)          | 400                         |
| Rated AC Output Frequency (Hz)         | 50                          |
| Max AC Current (A)                     | 181                         |
| Overload Capacity                      | 110%                        |
| AC PF                                  | 1.0 (Lagging)~1.0 (Leading) |
| CEC Efficiency                         | 98%                         |
| Isolation Type                         | Non-isolation               |

| Operation Mode     |                                                                                |
|--------------------|--------------------------------------------------------------------------------|
| Communication Type | Ethernet (Modbus TCP)                                                          |
| Operation Logic    | Wide Temp Range/Ancillary Service/Electricity Arbitrage/Demand Response/Backup |

\*Degrations at temperatures below 10°C or above 40°C

\*Partial application in progress

| L260-OMNI | Inverter in KW |       |     |     |     |     |     | <div><div></div>Min. configuration</div> <div><div></div>Optional configuration</div> <div><div></div>Standard configuration</div> |     |
|-----------|----------------|-------|-----|-----|-----|-----|-----|------------------------------------------------------------------------------------------------------------------------------------|-----|
|           | Inverter Type  | 125kW |     |     |     |     |     |                                                                                                                                    |     |
|           | Inverter QTY   | 1     | 2   | 3   | 4   | 5   | 6   |                                                                                                                                    |     |
|           | Cabinet QTY    | kW    | 125 | 250 | 375 | 500 | 625 |                                                                                                                                    | 750 |
|           | kWh            |       |     |     |     |     |     |                                                                                                                                    |     |
| 1         | 260            |       |     |     |     |     |     |                                                                                                                                    |     |
| 2         | 520            |       |     |     |     |     |     |                                                                                                                                    |     |
| 3         | 780            |       |     |     |     |     |     |                                                                                                                                    |     |
| 4         | 1040           |       |     |     |     |     |     |                                                                                                                                    |     |
| 5         | 1300           |       |     |     |     |     |     |                                                                                                                                    |     |
| 6         | 1560           |       |     |     |     |     |     |                                                                                                                                    |     |

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