

# OPTIM US

## L260-HY M7-1000V-125kW/260kWh



**260~1560kWh**



**125~750kW**

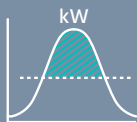


**0.25/0.5C**



**277/480Vac**

- Hybrid Inverter Integrated
- Extraordinary Performance
- Superior Safety
- Easy Set-up & Maintenance



**Peak Shaving**



**Self-Consumption**



**Back up  
Switch Seamless**

# L260-HY

|                                             |                                                                                           |
|---------------------------------------------|-------------------------------------------------------------------------------------------|
| <b>General Data</b>                         |                                                                                           |
| Dimension of cabinet body(W*H*D mm)         | 950*2180*1300                                                                             |
| Dimension with PCS(W*H*D mm)                | 1470*2180*1300                                                                            |
| Weight(T)                                   | < 2.9T                                                                                    |
| Working Temperature Range ( °C)             | -25~55(-30 °C cool boot)                                                                  |
| Storage Temperature Range ( °C)             | -20~60                                                                                    |
| AC output voltage (V)                       | 3P/(N)/PE, 277 V / 480 V                                                                  |
| Frequency(Hz)                               | 60                                                                                        |
| System efficiency                           | 88%                                                                                       |
| Peak auxiliary power consumption (kW)       | 2.8                                                                                       |
| Normal auxiliary power consumption (kW)     | 1.7                                                                                       |
| Protection against electric shock           | Class I                                                                                   |
| IP Rating                                   | IP55                                                                                      |
| Noise (dB)                                  | 75                                                                                        |
| Altitude(m)                                 | ≤3000                                                                                     |
| Corrosion protection class                  | C3H(C5M optional)                                                                         |
| Humidity                                    | 5%~95%                                                                                    |
| Cooling type                                | Inverter: air cooling; ESS cabinet: Liquid cooling(≥5kW), 50% glycol solution             |
| Fire Extinguishing                          | combustible gas detector+smoke detector+ temperature detector+explosion-proof fan+Aerosol |
| Explosion Relief Panel                      | Optional                                                                                  |
| Water fire protection                       | Standard configuration                                                                    |
| Authentication level                        | UL 1741, UL 1699B, UL 1998,FCC part B, IEEE 1547-2003, IEEE 1547-2018                     |
| Communication interface                     | CAN/RS485/Ethernet/Wi-Fi/4G(optional)                                                     |
| Communication                               | Modbus-TCP/RTU                                                                            |
| <b>Battery Data</b>                         |                                                                                           |
| Nominal Capacity (kWh)                      | 261kWh                                                                                    |
| Battery Nominal voltage(V)                  | 832                                                                                       |
| DC Voltage Range(V)                         | 728~936                                                                                   |
| Depth of discharge                          | 98%DOD                                                                                    |
| Standard Operation DC Current (A)           | 157                                                                                       |
| Maximum Continuous Operation DC Current (A) | 200                                                                                       |
| Round Trip DC Efficiency (%)                | 94.5%                                                                                     |
| <b>Output AC</b>                            |                                                                                           |
| Rated Power (kW)                            | 125                                                                                       |
| Rated Voltage (VAC)                         | 3P/(N)/PE, 277 V / 480 V                                                                  |
| Rated Current (A)                           | 150.4A                                                                                    |
| Frequency (Hz)                              | 60                                                                                        |
| Power factor                                | > 0.99 (0.8 leading - 0.8 lagging)                                                        |
| THDi                                        | < 3%                                                                                      |
| <b>Output AC (Back-up)</b>                  |                                                                                           |
| Rated output power (kW)                     | 125                                                                                       |
| Max. apparent output power                  | 1.6 times of rated power, 10s 2 times of rated power, 200ms                               |
| Back-up switch time (ms)                    | < 10                                                                                      |
| Rated output voltage                        | 3P/(N)/PE, 277 V / 480 V                                                                  |
| Rated frequency (Hz)                        | 60                                                                                        |
| THDv (@linear load)                         | < 2%                                                                                      |
| <b>Input AC (on-Grid)</b>                   |                                                                                           |
| Input voltage range (V)                     | 384~552                                                                                   |
| Max. input current (A)                      | 250                                                                                       |
| <b>Input DC (PV side)</b>                   |                                                                                           |
| Max. usable PV input power (kW)             | 250                                                                                       |
| Max. input voltage (V)                      | 1000                                                                                      |
| Rated voltage (V)                           | 600                                                                                       |
| Start-up voltage (V)                        | 180                                                                                       |
| MPPT voltage range (V)                      | 150~950                                                                                   |
| Max. input current (A)                      | 10x42                                                                                     |
| Max. short circuit current (A)              | 10x65                                                                                     |
| MPPT number/Max input strings number        | 10/20                                                                                     |
| <b>Input AC (Generator)</b>                 |                                                                                           |
| Max. input power (kW)                       | 125                                                                                       |
| Rated input current (A)                     | 150.4                                                                                     |
| Rated input voltage                         | 3P/(N)/PE, 277 V / 480 V                                                                  |
| Rated input frequency (Hz)                  | 50 / 60                                                                                   |