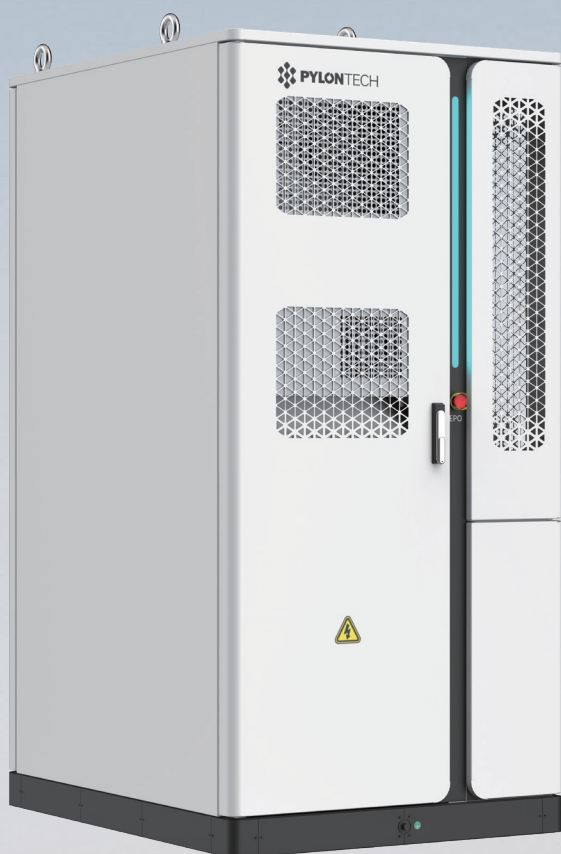


NEW

# OPTIM US A100-HY-PLUS

M1D 50kW/108kWh 60kW/126kWh

- Hybrid Inverter Integrated
- Superior Safety
- Flexible Configuration
- Easy Set-up & Maintenance



## 50kW/108kWh



108~648kWh



50~300kW



0.5C



400Vac

## 60kW/126kWh



126~756kWh



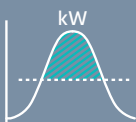
60~360kW



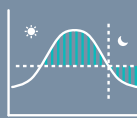
0.5C



400Vac



Peak Shaving



Energy Shifting



Self-Consumption



Backup  
Switch Seamless

# A100-HY-PLUS

| General Data                                      | M1D 50kW/108kWh                                                                                     | M1D 60kW/126kWh |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------|
| Dimension (W*D*H mm)                              | 1050*1300*2100                                                                                      |                 |
| Weight (Tons)                                     | 1.495                                                                                               | 1.620           |
| Working Temperature Range (°C)                    | -25~50                                                                                              |                 |
| Protection Class                                  | IP55                                                                                                |                 |
| Altitude(m)                                       | ≤3000                                                                                               |                 |
| Humidity                                          | 0~95%RH                                                                                             |                 |
| Fire Extinguishing                                | Aerosol                                                                                             |                 |
| Cooling System                                    | Air Cooling                                                                                         |                 |
| Cooling System Consumption(kW, Cooling / Heating) | 2                                                                                                   |                 |
| Anti-Corrosion                                    | C3H                                                                                                 |                 |
| Certification*                                    | IEC62619/IEC62477-1/IEC63056/VDE2510-50/ISO 13849-1/IEC 62040-1/CE-LVD/IEC 61000/IEC 62933/UL 9540A |                 |
| Battery Data                                      |                                                                                                     |                 |
| Battery Type                                      | Li-ion (LFP)                                                                                        |                 |
| Nominal Capacity (kWh)                            | 108                                                                                                 | 126             |
| Battery Module Qty.                               | 6                                                                                                   |                 |
| DC Voltage Range(V)                               | 302.4 ~ 388.8                                                                                       |                 |
| Max. Operation Current (A)                        | 160                                                                                                 |                 |
| Cooling Type                                      | Forced air cooling                                                                                  |                 |
| AC Side Parameters                                |                                                                                                     |                 |
| Rated AC Power (KW )                              | 50                                                                                                  | 60              |
| Rated AC Output Voltage(V)                        | 380/400Vac,3W+N+PE                                                                                  |                 |
| Rated AC Output Frequency (Hz)                    | 50/60                                                                                               |                 |
| Max. AC Output Current(A)                         | 80                                                                                                  |                 |
| Max. DC Input Current(A)                          | 100*2                                                                                               |                 |
| Power Factor                                      | -0.8~0.8                                                                                            |                 |
| Overload Capacity                                 | 110% @30s                                                                                           |                 |
| ON -Off Grid Switching                            | < 20ms                                                                                              |                 |
| MPPT Parameters                                   |                                                                                                     |                 |
| Number of MPPT                                    | 4                                                                                                   |                 |
| Max DC Input Power(kW)                            | 100                                                                                                 |                 |
| MPPT Voltage Range(V)                             | 150~950                                                                                             |                 |
| MPPT Starting voltage(V)                          | 125                                                                                                 |                 |
| Max DC Input Current(A)/string                    | 8*20                                                                                                |                 |

\*Partial application in progress