

ProeM Outdoor Liquid-cooling Energy Storage Cabinet



Low Costs

- Modular design ESS for easy transportation and Operations & Maintenance
- All pre-assembled; no site installation



Safe and Reliable

- Intelligent monitoring and linkage actions ensure battery system safety
- Integrated cooling system for thermal safety and enhanced performance and reliability



Efficient and Flexible

- High-efficiency liquid cooling technology with the temperature difference ≤ 3 °C
- Modular design supports parallel connection and easy system expansion



Wide Application

- 1C system, which can be used for harsh working conditions
- Fit for different operation scenarios

| Product Model | ProeM-186-1h | ProeM-232-1h | ProeM-279-1h | ProeM-326-1h | ProeM-372-1h |
|-------------------------------|--|--------------|------------------|-------------------|-------------------|
| Cell parameters | | | | | |
| Cell type | LFP | | | | |
| Cell capacity | 280 Ah | | | | |
| PACK parameters | | | | | |
| Cell configuration | 1P52S | | | | |
| PACK rated voltage | 166.4 V | | | | |
| PACK energy | 46.592 kWh | | | | |
| Cabinet parameters | | | | | |
| System battery configuration | 1P208S | 1P260S | 1P312S | 1P364S | 1P416S |
| PACK qty | 4 | 5 | 6 | 7 | 8 |
| Rated energy (BOL) at DC side | 186 kWh | 232 kWh | 279 kWh | 326 kWh | 372 kWh |
| System output voltage range | 582.4~748.8 Vdc | 728~936 Vdc | 873.6~1123.2 Vdc | 1019.2~1310.4 Vdc | 1164.8~1497.6 Vdc |
| Rated current | 280 A (1C) | | | | |
| Dimensions (H*W*D) | 2300*1300*1350 mm | | | | |
| Weight | 2120 kg | 2450 kg | 2780 kg | 3110 kg | 3440 kg |
| Level of protection | IP54 | | | | |
| Anti-corrosion grade | C4 | | | | |
| Relative humidity | 0 %~95 % (non-condensing) | | | | |
| Operating temperature range | Charging: 0 °C~55 °C; Discharging: -20 °C~55 °C | | | | |
| Max. working altitude | 2000 m | | | | |
| Cooling method | Liquid-cooling | | | | |
| Fire safety equipment | Aerosol | | | | |
| Communication interface | Ethernet | | | | |
| Communication protocol | Modbus TCP | | | | |
| Certification | IEC62619, IEC63056, IEC62477, EN61000, UN38.3, UL9540A, UL1973 | | | | |

*Subject to actual delivery