

Specification



| Basic Parameters               | US2000C                                                                               | US3000C                                                                               | Phantom-S                        |
|--------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------|
| Nominal Voltage (V)            | 48                                                                                    | 48                                                                                    | 48                               |
| Nominal Capacity (Wh)          | 2400                                                                                  | 3552                                                                                  | 2400                             |
| Usable Capacity (Wh)           | 2280                                                                                  | 3374.4                                                                                | 2200                             |
| Dimension (mm)                 | 442*410*89                                                                            | 442*420*132                                                                           | 440*440*88.5                     |
| Weight (Kg)                    | 24                                                                                    | 32                                                                                    | 24                               |
| Discharge Voltage (V)          | 44.5 ~ 53.5                                                                           | 44.5 ~ 53.5                                                                           | 44.5 ~ 53.5                      |
| Charge Voltage (V)             | 52.5 ~ 53.5                                                                           | 52.5~53.5                                                                             | 52.5~53.5                        |
| Charge / Discharge Current (A) | 25(Recommend)                                                                         | 37 (Recommend)                                                                        | 25(Recommend)                    |
|                                | 50 (Max)                                                                              | 74 (Max)                                                                              | 50 (Max)                         |
|                                | 90 (Peak@15s)                                                                         | 90 (Peak@15s)                                                                         | 100 ( Peak@15s )                 |
| Communication Port             | RS485, CAN                                                                            | RS485, CAN                                                                            | RS485, CAN                       |
| Single string quantity(pcs)    | 16                                                                                    | 16                                                                                    | 8                                |
| Working Temperature/℃          | 0~50                                                                                  | 0~50                                                                                  | 0~50                             |
| Shelf Temperature/℃            | -20~60                                                                                | -20~60                                                                                | -20~60                           |
| Humidity                       | 5%~95%                                                                                | 5%~95%                                                                                | 5%~95%                           |
| Altitude (m)                   | <2000                                                                                 | <2000                                                                                 | <2000                            |
| Design life                    | 15 <sup>+</sup> Years (25℃/77°F)                                                      | 15 <sup>+</sup> Years (25℃/77°F)                                                      | 15 <sup>+</sup> Years (25℃/77°F) |
| Cycle Life                     | >6000, 25 C                                                                           | >6000, 25 C                                                                           | >6000, 25 C                      |
| Authentication Level           | IEC62619/CE /UN38.3                                                                   | VDE2510-50/IEC62619/UL1973<br>UL9540A/CE/UN38.3                                       | IEC62619/CE /UN38.3              |
| Feature                        | Pre-Charge<br>Dual-active protection<br>Flexible current steps<br>Dry contact wake up | Pre-Charge<br>Dual-active protection<br>Flexible current steps<br>Dry contact wake up |                                  |

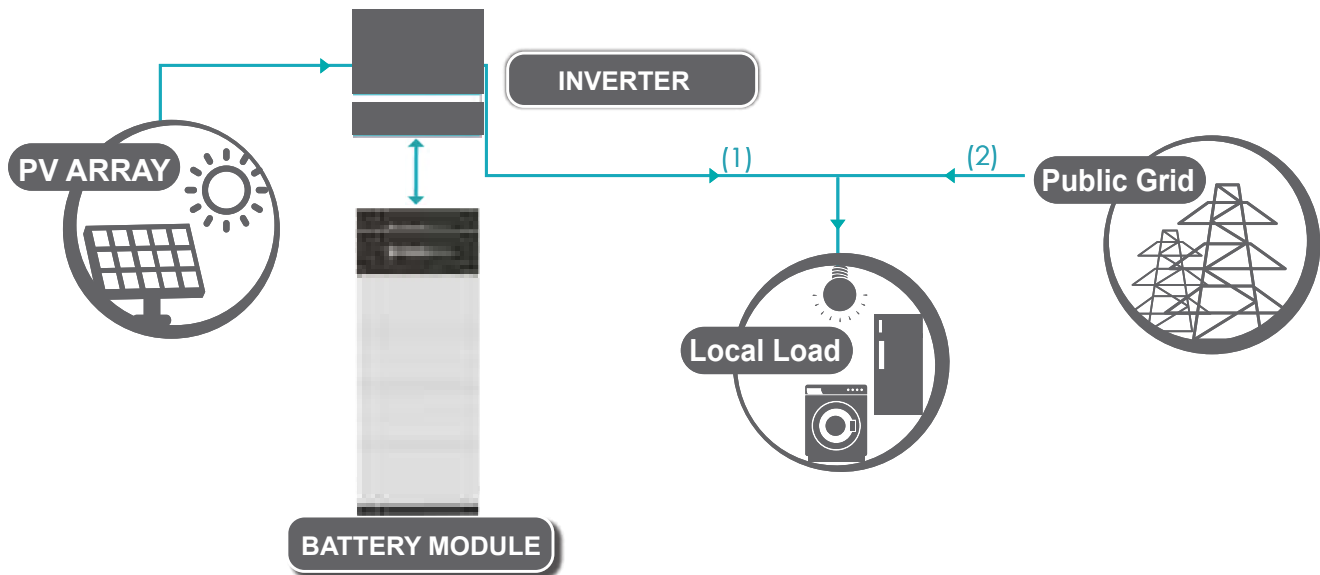
## ***PYLONTECH FORCE SERIES***

Pylontech Force L1 is the latest version of HESS (home energy storage system), inherit with our modular design concept, combined with easy installation, simple connectors and outdoor compatibility, the furniture type of equipment is your ideal place to hold your valuable force - the electricity.

### ***Advantages***

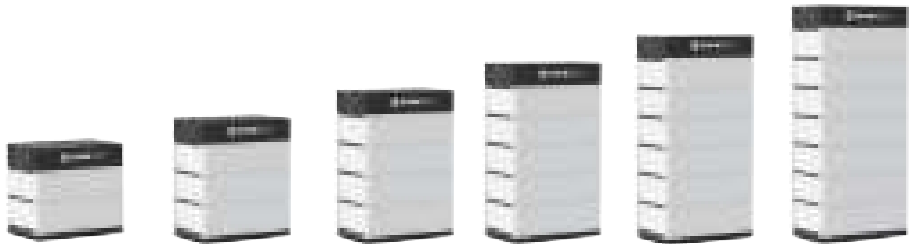
1. Modular design gives highest flexibility
2. LFP cell inside enable longest life and highest safety
3. Quick connector to save installation time
4. Furniture like design suits both indoor and outdoor installation
5. Proven BMS with widest compatibilities with inverters

### ***Solution of ESS***



Technical Specification

FORCE L1



|                               |                                |             |             |              |              |              |
|-------------------------------|--------------------------------|-------------|-------------|--------------|--------------|--------------|
| Battery Module                | 2                              | 3           | 4           | 5            | 6            | 7            |
| Battery System Capacity (kWh) | 7.10                           | 10.65       | 14.21       | 17.76        | 21.31        | 24.86        |
| Voltage Range (V)             | 44.5~54                        |             |             |              |              |              |
| Dimension (W*D*H mm)          | 600*380*530                    | 600*380*700 | 600*380*870 | 600*380*1040 | 600*380*1210 | 600*380*1380 |
| Weight (kg)                   | 84                             | 119         | 154         | 189          | 224          | 259          |
| Depth of Discharge            | 90%                            |             |             |              |              |              |
| Charge/Discharge (Recommend)  | 30                             | 45          | 60          | 75           | 90           | 100          |
| Current(A) (Continuous)       | 75                             | 100         | 100         | 100          | 100          | 100          |
| (Peak@15s)                    | 105                            | 105         | 105         | 105          | 105          | 105          |
| Communication                 | CAN,RS485                      |             |             |              |              |              |
| Protection Class              | IP55                           |             |             |              |              |              |
| Working Temperature(℃)        | 0~50                           |             |             |              |              |              |
| Storage Temperature(℃)        | -20~60                         |             |             |              |              |              |
| Humidity                      | 5%-95%                         |             |             |              |              |              |
| Altitude (M)                  | <2000                          |             |             |              |              |              |
| Design Life                   | 15 <sup>+</sup> Years (25℃/°F) |             |             |              |              |              |
| Cycle Life                    | >6000, 25℃                     |             |             |              |              |              |
| Authentication Level          | VDE/IEC62619/CE/UN38.3         |             |             |              |              |              |

Technical Specification

FORCE L2



|                               |                                |              |              |
|-------------------------------|--------------------------------|--------------|--------------|
| Battery Module                | 2                              | 3            | 4            |
| Battery System Capacity (kWh) | 7.10                           | 10.65        | 14.21        |
| Voltage Range (V)             | 44.5~54                        |              |              |
| Dimension (W*D*H mm)          | 450*300*820                    | 450*300*1120 | 450*300*1410 |
| Weight (kg)                   | 83                             | 119          | 155          |
| Depth of Discharge            | 90%                            |              |              |
| Charge/Discharge (Recommend)  | 30                             | 45           | 60           |
| Current(A) (Continuous)       | 75                             | 100          | 100          |
| (Peak@15s)                    | 105                            | 105          | 105          |
| Communication                 | CAN,RS485                      |              |              |
| Protection Class              | IP55                           |              |              |
| Working Temperature(℃)        | 0~50                           |              |              |
| Storage Temperature(℃)        | -20~60                         |              |              |
| Humidity                      | 5%-95%                         |              |              |
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