

# Residential ESS

## HYLV-100-B



### Safety and Reliability

Using LFP cells and intelligent BMS monitoring and management



### Strong Scalability

Maximum capacity of 30.72 kWh with 6 groups in parallel



### High Adaptability

Mainstream inverter brand adaptations



### Low MOQ

Low MOQ for OEM order,  
Built your own brand



### Optimal Electricity Cost

Long cycle life and superior performance



# DATASHEET

## MODULE: HYL-100-B

|                       |      |       |       |       |      |       |
|-----------------------|------|-------|-------|-------|------|-------|
| Nominal Capacity(kWh) | 5.12 | 10.24 | 15.36 | 20.48 | 25.6 | 30.72 |
|-----------------------|------|-------|-------|-------|------|-------|

|                   |   |   |   |   |   |   |
|-------------------|---|---|---|---|---|---|
| Number of Modules | 1 | 2 | 3 | 4 | 5 | 6 |
|-------------------|---|---|---|---|---|---|

|                      |                            |
|----------------------|----------------------------|
| Dimension (W*D*H mm) | 482.6*500*132 (per module) |
|----------------------|----------------------------|

|                 |                     |
|-----------------|---------------------|
| Net Weight (kg) | 45±2kg( per module) |
|-----------------|---------------------|

## GENERAL

|              |              |
|--------------|--------------|
| Battery Type | LiFePO4 Cell |
|--------------|--------------|

|                    |      |
|--------------------|------|
| Nominal Voltage(V) | 51.2 |
|--------------------|------|

|                      |           |
|----------------------|-----------|
| Operating Voltage(V) | 44.8-58.4 |
|----------------------|-----------|

|                      |     |
|----------------------|-----|
| Nominal Capacity(Ah) | 100 |
|----------------------|-----|

|                    |     |
|--------------------|-----|
| Depth of Discharge | 90% |
|--------------------|-----|

|                                 |     |
|---------------------------------|-----|
| Max.Charge/Discharge Current(A) | 100 |
|---------------------------------|-----|

|                       |                                      |
|-----------------------|--------------------------------------|
| Operating Temperature | Charge: 0-50 ℃ ; Discharge: -10-50 ℃ |
|-----------------------|--------------------------------------|

|                     |          |
|---------------------|----------|
| Storage Temperature | -20-55 ℃ |
|---------------------|----------|

|               |                 |
|---------------|-----------------|
| Communication | RS485/CAN/RS223 |
|---------------|-----------------|

|          |                        |
|----------|------------------------|
| Humidity | 10%-85%(no condensing) |
|----------|------------------------|

|          |         |
|----------|---------|
| Altitude | ≤ 2000m |
|----------|---------|

|            |             |
|------------|-------------|
| Cycle Life | ≥6000, 25 ℃ |
|------------|-------------|

|                  |      |
|------------------|------|
| Protection Level | IP21 |
|------------------|------|

|          |          |
|----------|----------|
| Warranty | 10 years |
|----------|----------|

## CERTIFICATION

|            |                |
|------------|----------------|
| Safety(CB) | IEC 62619:2022 |
|------------|----------------|

|         |                                            |
|---------|--------------------------------------------|
| EMC(CE) | EN IEC61000-6-1:2019; EN IEC61000-6-1:2021 |
|---------|--------------------------------------------|

|                |              |
|----------------|--------------|
| Transportation | UN38.3, MSDS |
|----------------|--------------|

