

# HIGH VOLTAGE HYBRID INVERTER

3.0KW / 3.68KW  
ONE PHASE, 2 MPPTS

5KW / 6KW / 8KW / 10KW  
THREE PHASE, 2 MPPTS



## HIGH VOLTAGE BATTERY

3.74KWH / 7.48KWH / 11.23KWH /  
14.97KWH / 18.7KWH

**BATTIQ**  
ENERGIE OPSLAG

# HIGH VOLTAGE HYBRID INVERTER

| RENAC N1 hybrid inverter                | N1-HV-3.0                              | N1-HV-3.68 |
|---|--|------------|
| Recommended Max. PV Power [Wp]          | 4500                                   | 5500       |
| Max. PV Input Voltage [V]               | 600                                    |            |
| MPPT Voltage Range [V]                  | 120 ~ 550                              |            |
| Start-up Voltage [V]                    | 150                                    |            |
| No. of MPP Trackers                     | 2                                      |            |
| <b>AC Input / Output Data (On-grid)</b> |  |            |
| Rated AC Power [W]                      | 3000                                   | 3680       |
| Rated AC Current [A]                    | 13                                     | 16         |
| Grid Frequency / Range [Hz]             | 50 / 60; ±5                            |            |
| <b>General Data</b>                     |  |            |
| Size (Width * Height * Depth) [mm]      | 520 * 412 * 172                        |            |
| Weight [kg]                             | 20                                     |            |
| Communication                           | RS485 and USB or Wifi or 4G (Optional) |            |
| Ambient Temperature Range [°C]          | -30 ~ +60                              |            |
| Enclosure                               | IP65                                   |            |
| Noise [dB]                              | < 35                                   |            |

| RENAC N3 hybrid inverter                | N3-HV-5.0                              | N3-HV-6.0 | N3-HV-8.0 | N3-HV-10.0 |
|---|--|-----------|-----------|------------|
| Recommended Max. PV Power [Wp]          | 7.500                                  | 9.000     | 12.000    | 15.000     |
| Max. PV Input Voltage [V]               | 1.000                                  |           |           |            |
| MPPT Voltage Range [V]                  | 600                                    |           |           |            |
| Start-up Voltage [V]                    | 160                                    |           |           |            |
| No. of MPP Trackers                     | 2                                      |           |           |            |
| <b>AC Input / Output Data (On-grid)</b> |  |           |           |            |
| Rated AC Power [W]                      | 5.500                                  | 6.600     | 8.800     | 11.000     |
| Rated AC Current [A]                    | 7,6                                    | 9,1       | 12,2      | 15,2       |
| Grid Frequency / Range [Hz]             | 50 / 60; ±5                            |           |           |            |
| <b>General Data</b>                     |  |           |           |            |
| Size (Width * Height * Depth) [mm]      | 520 * 412 * 186                        |           |           |            |
| Weight [kg]                             | 27                                     |           |           |            |
| Communication                           | RS485 and USB or Wifi or 4G (Optional) |           |           |            |
| Ambient Temperature Range [°C]          | -25 ~ +60                              |           |           |            |
| Enclosure                               | IP65                                   |           |           |            |
| Noise [dB]                              | < 35                                   |           |           |            |

# HIGH VOLTAGE BATTERY

| Battery Turbo H1 Series | TB-H1-3.74  | TB-H1-7.48      | TB-H1-11.23      | TB-H1-14.97      | TB-H1-18.7       |
|-------------------------|---|-----------------|------------------|------------------|------------------|
| Number of Modules       | 1   | 2               | 3                | 4                | 5                |
| Nominal Energy [kWh]    | 3.74  | 7.48            | 11.23            | 14.97            | 18.7             |
| Depth of Discharge      | 90%   |                 |                  |                  |                  |
| Battery Technology      | LiFePO4   |                 |                  |                  |                  |
| Weight [kg]             | 49.5  | 86.8            | 124.1            | 161.4            | 198.7            |
| Size [mm]               | 561 * 576 * 217   | 561 * 902 * 217 | 561 * 1228 * 217 | 561 * 1554 * 217 | 561 * 1880 * 217 |
| Cycle Life              | 6000 @ 80% DOD / 25 °C / 0.2C / 60% EOL                         |                 |                  |                  |                  |
| Discharge Range [°C]    | -10 ~ +50   |                 |                  |                  |                  |
| Charge Range [°C]       | 0 ~ +40   |                 |                  |                  |                  |
| Enclosure               | IP65 ( Indoor or Outdoor)                                       |                 |                  |                  |                  |
| Certificates            | UN 38.3, EN / IEC 62619, IEC 62040, EN 62477, EN 61000-6-1 / -3 |                 |                  |                  |                  |

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