

**Technical parameters:**

| <b>Inverter model</b>                      | <b>EHE-N10K</b>                                |
|--|--|
| <b>PV side</b>                             |  |
| Max.PV power                               | 11kWp  |
| Max.permitted DC Voltage                   | 880Vdc   |
| Input short-circuit current                | 31.25A   |
| Max.permitted DC current                   | 25A  |
| Input points                               | 1  |
| MPPT voltage range                         | 420~820Vdc                                     |
| PV Start Voltage                           | 465Vdc   |
| MPPT efficiency                            | 99.9%  |
| Max Inverter feedback Current to the array | 0A   |
| <b>Grid side</b>                           |  |
| Rated output power                         | 10kW   |
| Max.output current                         | 15.2A  |
| THD of grid current                        | <3%  |
| Power factor                               | >0.99  |
| Max. efficiency                            | 95.00%   |
| European efficiency                        | 94%  |
| Permitted grid voltage range               | 320~460Vac 3~                                  |
| Permitted grid frequency range             | 47~51.5Hz                                      |
| Standby power consumption                  | <30W   |
| Nighttime power consumption                | <20W   |
| Grid monitoring                            | According to VDE0126-1-1 guidelines            |
| Communication interface                    | RS485/Ethernet (optional) /GPRS/<br>(optional) |
| Man-machine interface                      | LCD  |
| <b>Mechanical</b>                          |  |

|  |  |
|--|--|
| <b>Dimensions(M×H×D)</b>                   | <b>610×1300×600 mm</b>   |
| <b>Weight</b>                              | <b>150kg</b>   |
| <b>Environmental conditions and safety</b> |  |
| <b>Protaction level</b>                    | <b>IP20</b>  |
| <b>Coolin</b>                              | <b>Air cooling</b>   |
| <b>Operating temperature range</b>         | <b>-25~+55°C</b>   |
| <b>Relative humidity range</b>             | <b>15-95% (non condensing)</b>   |
| <b>Mounting altitude</b>                   | <b>3000m;above 3000mneed derate operati<br/>ng</b>   |
| <b>Noise emissions</b>                     | <b>&lt;65dB</b>  |
| <b>Meet the standards</b>                  | <b>EN 50178;DIN EN 62109;<br/>prIEC 62109-2; VDE 0126-1-<br/>1(or CGC/GF001:2009);<br/>EN6100-6-2 2005; EN6100-6-4 2007;<br/>ENEL (Italy) ; G59/2(UK);</b> |

## Technical parameters:

| Inverter model                             | EHE-1000KTL                                |
|--|--|
| <b>PV side</b>                             |  |
| Max. PV power                              | 1100kWp                                    |
| Max. permitted DC Voltage                  | 880Vdc                                     |
| Isc PV Current                             | 3000A                                      |
| Max. permitted DC current                  | 2400A (32*75A)                             |
| String number                              | 32   |
| MPPT range                                 | 450~820Vdc                                 |
| PV Start Voltage                           | 465Vdc                                     |
| MPPT efficiency                            | 99.9%                                      |
| Max Inverter feedback Current to the Array | 0A   |
| <b>Grid side</b>                           |  |
| Rated output power                         | 1000kW                                     |
| Max.output current                         | 2140A                                      |
| THD of grid current                        | <3%  |
| Power factor (cosφ)                        | >0.99                                      |
| Max. degree of efficiency                  | 98.1%                                      |
| European deg. of efficiency                | 97.6%                                      |
| Normal output voltage                      | 270 Vac 3~                                 |
| Operation grid frequency                   | 47.5~51.5Hz                                |
| Standby power Consumption                  | <200W                                      |
| Nighttime Power Consumption                | <100W                                      |
| Grid monitoring                            | According to VDE0126-1-1 guidelines        |
| communication interface                    | RS485/Ethernet (optional) /GPRS (optional) |
| Man-machine interface                      | LCD touch screen                           |
| <b>Mechanical</b>                          |  |
| Dimensions (W x H x D)                     | 4900mmx2120mmx800mm                        |
| Weight                                     | 4000Kg                                     |
| <b>Environmental conditions and safety</b> |  |

|                                    |   |
|------------------------------------|---|
| <b>Ingress protection</b>          | <b>IP20</b>   |
| <b>Protective class</b>            | <b>I</b>  |
| <b>Cooling</b>                     | <b>Air cooling</b>  |
| <b>Operating temperature range</b> | <b>-25~+55°C</b>  |
| <b>Relative humidity range</b>     | <b>15-95% (non condensing)</b>  |
| <b>Altitude</b>                    | <b>2000m;<br/>above 2000m need derate operating</b>   |
| <b>Noise emissions</b>             | <b>&lt;65dB</b>   |
| <b>Meet the standards</b>          | <b>EN 50178;DIN EN 62109-1;<br/>prIEC 62109-2; VDE 0126-1-<br/>1(or CGC/GF001:2009);<br/>EN6100-6-2 2005; EN6100-6-4 2007;<br/>ENEL(Italy);</b> |

## Technical parameters:

| <b>Inverter model</b>                      | <b>EHE-N100K</b>                           |
|--|--|
| <b>PV side</b>                             |  |
| Max. PV power                              | 110kWp                                     |
| Max. permitted DC Voltage                  | 880Vdc                                     |
| Isc PV Current                             | 306A                                       |
| Max. permitted DC current                  | 245A (4*61.25A)                            |
| String number                              | 4  |
| MPPT range                                 | 400~820Vdc                                 |
| PV Start Voltage                           | 465Vdc                                     |
| MPPT efficiency                            | 99.9%                                      |
| Max Inverter feedback Current to the Array | 0A   |
| <b>Grid side</b>                           |  |
| output power                               | 100kW                                      |
| Max.output current                         | 151.5A                                     |
| THD of grid current                        | <3%  |
| Power factor (cosφ)                        | >0.99                                      |
| Max. degree of efficiency                  | 97.10%                                     |
| European deg. of efficiency                | 96.40%                                     |
| Operating grid voltage                     | 320~450Vac 3~                              |
| Operation grid frequency                   | 47~52Hz                                    |
| Standby power Consumption                  | <50W                                       |
| Nighttime Power Consumption                | <20W                                       |
| Grid monitoring                            | According to VDE0126-1-1 guidelines        |
| communication interface                    | RS485/Ethernet (optional) /GPRS (optional) |
| Man-machine interface                      | LCD  |
| <b>Mechanical</b>                          |  |
| Dimensions (W × H × D)                     | 1000x1800x800 mm                           |
| Weight                                     | 900kg                                      |

## Environmental conditions and safety

|                                    |  |
|------------------------------------|--|
| <b>Ingress protection</b>          | <b>IP20</b>  |
| <b>Protective class</b>            | <b>I</b>   |
| <b>Cooling</b>                     | <b>Air cooling</b>   |
| <b>Operating temperature range</b> | <b>-25~+55°C</b>   |
| <b>Relative humidity range</b>     | <b>15-95% (non condensing)</b>   |
| <b>Altitude</b>                    | <b>3000m;<br/>above 3000m need derate operating</b>  |
| <b>Noise emissions</b>             | <b>&lt;65dB</b>  |
| <b>Meet the standards</b>          | <b>EN 50178;DIN EN 62109;<br/>prIEC 62109-2; VDE 0126-1-<br/>1(or CGC/GF001:2009);<br/>EN6100-6-2 2005; EN6100-6-4 2007;<br/>ENEL (Italy) ; G59/2(UK);</b> |

**Technical parameters:**

| <b>Inverter model</b>                             | <b>EHE-N20K</b>                            |
|---|--|
| <b>PV side</b>                                    |  |
| <b>Max. PV power</b>                              | 22kWp                                      |
| <b>Max. permitted DC Voltage</b>                  | 880Vdc                                     |
| <b>Isc PV Current</b>                             | 75A  |
| <b>Max. permitted DC current</b>                  | 50A  |
| <b>String number</b>                              | 1  |
| <b>MPPT range</b>                                 | 420~820Vdc                                 |
| <b>PV Start Voltage</b>                           | 465Vdc                                     |
| <b>MPPT efficiency</b>                            | 99.9%                                      |
| <b>Max Inverter feedback Current to the Array</b> | 0A   |
| <b>Grid side</b>                                  |  |
| <b>output power</b>                               | 20kW                                       |
| <b>Max.output current</b>                         | 30.3A                                      |
| <b>THD of grid current</b>                        | <3%  |
| <b>Power factor (cosφ)</b>                        | >0.99                                      |
| <b>Max. degree of efficiency</b>                  | 95.30%                                     |
| <b>European deg. of efficiency</b>                | 94.2%                                      |
| <b>Operating grid voltage</b>                     | 320~460Vac 3~                              |
| <b>Operation grid frequency</b>                   | 47~51.5Hz                                  |
| <b>Standby power Consumption</b>                  | <40W                                       |
| <b>Nighttime Power Consumption</b>                | <20W                                       |
| <b>Grid monitoring</b>                            | According to VDE0126-1-1 guidelines        |
| <b>communication interface</b>                    | RS485/Ethernet (optional) /GPRS (optional) |
| <b>Man-machine interface</b>                      | LCD  |
| <b>Mechanical</b>                                 |  |
| <b>Dimensions (W × H × D)</b>                     | 800x1800x600 mm                            |
| <b>Weight</b>                                     | 488.8kg                                    |

**Environmental conditions and safety**

|                                    |  |
|------------------------------------|--|
| <b>Ingress protection</b>          | IP20   |
| <b>Protective class</b>            | I  |
| <b>Cooling</b>                     | Air cooling  |
| <b>Operating temperature range</b> | -25~+55°C  |
| <b>Relative humidity range</b>     | 15-95% (non condensing)  |
| <b>Altitude</b>                    | 3000m;<br>above 3000m need derate operating  |
| <b>Noise emissions</b>             | <65dB  |
| <b>Meet the standards</b>          | EN 50178;DIN EN 62109;<br>prIEC 62109-2; VDE 0126-1-<br>1(or CGC/GF001:2009);<br>EN6100-6-2 2005; EN6100-6-4 2007;<br>ENEL (Italy) ; G59/2(UK) |



## Technical parameters:

| Inverter model                             |  | EHE-N250K |
|--|--|-----------|
| <b>PV side</b>                             |  |           |
| Max. PV power                              | 275kWp                                     |           |
| Max. permitted DC Voltage                  | 880Vdc                                     |           |
| Isc PV Current                             | 725A                                       |           |
| Max. permitted DC current                  | 580A (8*72.5A)                             |           |
| String number                              | 8  |           |
| MPPT range                                 | 400~820Vdc                                 |           |
| PV Start Voltage                           | 465Vdc                                     |           |
| MPPT efficiency                            | 99.9%                                      |           |
| Max Inverter feedback Current to the Array | 0A   |           |
| <b>Grid side</b>                           |  |           |
| output power                               | 250kW                                      |           |
| Max.output current                         | 380A                                       |           |
| THD of grid current                        | <3%  |           |
| Power factor (cosφ)                        | >0.99                                      |           |
| Max. degree of efficiency                  | 97.0%                                      |           |
| European deg. of efficiency                | 96.5%                                      |           |
| Operating grid voltage                     | 270~320Vac 3~                              |           |
| Operation grid frequency                   | 47.5~51.5Hz                                |           |
| Standby power Consumption                  | <100W                                      |           |
| Nighttime Power Consumption                | <80W                                       |           |
| Grid monitoring                            | According to VDE0126-1-1 guidelines        |           |
| communication interface                    | RS485/Ethernet (optional) /GPRS (optional) |           |
| Man-machine interface                      | LCD touch screen                           |           |
| <b>Mechanical</b>                          |  |           |
| Dimensions (W x H x D)                     | 2200mmx2120mmx800mm                        |           |
| Weight                                     | 1600Kg                                     |           |

**Environmental conditions and safety**

|                                    |   |
|------------------------------------|---|
| <b>Ingress protection</b>          | <b>IP20</b>   |
| <b>Protective class</b>            | <b>I</b>  |
| <b>Cooling</b>                     | <b>Air cooling</b>  |
| <b>Operating temperature range</b> | <b>-25~+55°C</b>  |
| <b>Relative humidity range</b>     | <b>15-95% (non condensing)</b>  |
| <b>Altitude</b>                    | <b>3000m;<br/>above 3000m need derate operating</b>   |
| <b>Noise emissions</b>             | <b>&lt;65dB</b>   |
| <b>Meet the standards</b>          | <b>EN 50178;DIN EN 62109-1;<br/>prIEC 62109-2; VDE 0126-1-<br/>1(or CGC/GF001:2009);<br/>EN6100-6-2 2005; EN6100-6-4 2007;<br/>ENEL(Italy);</b> |

**Technical parameters:**

| <b>Inverter</b>                            | <b>EHE-N30K</b>                            |
|--|--|
| <b>PV side</b>                             |  |
| Max. PV power                              | 33kWp                                      |
| Max. permitted DC Voltage                  | 880Vdc                                     |
| Isc PV Current                             | 94A  |
| Max. permitted DC current                  | 75A  |
| String number                              | 1  |
| MPPT range                                 | 420~820Vdc                                 |
| PV Start Voltage                           | 465Vdc                                     |
| MPPT efficiency                            | 99.9%                                      |
| Max Inverter feedback Current to the Array | 0A   |
| <b>Grid side</b>                           |  |
| output power                               | 30kW                                       |
| Max.output current                         | 45.5A                                      |
| THD of grid current                        | <3%  |
| Power factor (cosφ)                        | >0.99                                      |
| Max. degree of efficiency                  | 95.50%                                     |
| European deg. of efficiency                | 94.30%                                     |
| Operating grid voltage                     | 320~460Vac 3~                              |
| Operation grid frequency                   | 47~51.5Hz                                  |
| Standby power Consumption                  | <40W                                       |
| Nighttime Power Consumption                | <20W                                       |
| Grid monitoring                            | According to VDE0126-1-1 guidelines        |
| communication interface                    | RS485/Ethernet (optional) /GPRS (optional) |
| Man-machine interface                      | LCD  |
| <b>Mechanical</b>                          |  |
| Dimensions (W x H x D)                     | 800x1800x600 mm                            |
| Weight                                     | 568kg                                      |
| <b>Environmental conditions and safety</b> |  |

|                                    |  |
|------------------------------------|--|
| <b>Ingress protection</b>          | <b>IP20</b>  |
| <b>Protective class</b>            | <b>I</b>   |
| <b>Cooling</b>                     | <b>Air cooling</b>   |
| <b>Operating temperature range</b> | <b>-25~+55°C</b>   |
| <b>Relative humidity range</b>     | <b>15-95% (non condensing)</b>   |
| <b>Altitude</b>                    | <b>2000m;<br/>above 2000m need derate operating</b>  |
| <b>Noise emissions</b>             | <b>&lt;65dB</b>  |
| <b>Meet the standards</b>          | <b>EN 50178;DIN EN 62109;prIEC 62109-2; VDE 0126-1-1(or CGC/GF001:2009); EN6100-6-2 2005; EN6100-6-4 2007; ENEL (Italy) ; G59/2(UK);</b> |

## Technical parameters:

| <b>Inverter model</b>                      | <b>EHE-N500KTL</b>                         |
|--|--|
| <b>PV side</b>                             |  |
| Max. PV power                              | 550kWp                                     |
| Max. permitted DC Voltage                  | 880Vdc                                     |
| Isc PV Current                             | 1418.8A                                    |
| Max. permitted DC current                  | 1135A (16*71A)                             |
| String number                              | 16   |
| MPPT range                                 | 400~820Vdc                                 |
| PV Start Voltage                           | 465Vdc                                     |
| MPPT efficiency                            | 99.9%                                      |
| Max Inverter feedback Current to the Array | 0A   |
| <b>Grid side</b>                           |  |
| Rated output power                         | 500kW                                      |
| Max.output current                         | 1070A                                      |
| THD of grid current                        | <3%  |
| Power factor (cosφ)                        | >0.99                                      |
| Max. degree of efficiency                  | 98.5%                                      |
| European deg. of efficiency                | 98.1%                                      |
| Normal output voltage                      | 270~320 Vac 3~                             |
| Operation grid frequency                   | 47.5~51.5Hz                                |
| Standby power Consumption                  | <150W                                      |
| Nighttime Power Consumption                | <80W                                       |
| Grid monitoring                            | According to VDE0126-1-1 guidelines        |
| communication interface                    | RS485/Ethernet (optional) /GPRS (optional) |
| Man-machine interface                      | LCD touch screen                           |
| <b>Mechanical</b>                          |  |
| Dimensions (W x H x D)                     | 1800mmx2000mmx800mm                        |
| Weight                                     | 1620Kg                                     |

## Environmental conditions and safety

|                                    |   |
|------------------------------------|---|
| <b>Ingress protection</b>          | <b>IP20</b>   |
| <b>Protective class</b>            | <b>I</b>  |
| <b>Cooling</b>                     | <b>Air cooling</b>  |
| <b>Operating temperature range</b> | <b>-25~+55°C</b>  |
| <b>Relative humidity range</b>     | <b>15-95% (non condensing)</b>  |
| <b>Altitude</b>                    | <b>3000m;<br/>above 3000m need derate operating</b>   |
| <b>Noise emissions</b>             | <b>&lt;65dB</b>   |
| <b>Meet the standards</b>          | <b>EN 50178;DIN EN 62109-1;<br/>prIEC 62109-2; VDE 0126-1-<br/>1(or CGC/GF001:2009);<br/>EN6100-6-2 2005; EN6100-6-4 2007;<br/>ENEL(Italy);</b> |

## Technical parameters:

| Inverter model                             | EHE-N50K                                   |
|--|--|
| <b>PV side</b>                             |  |
| Max. PV power                              | 55kWp                                      |
| Max. permitted DC Voltage                  | 880Vdc                                     |
| Isc PV Current                             | 156A                                       |
| Max. permitted DC current                  | 125A (4*31.25A)                            |
| String number                              | 4  |
| MPPT range                                 | 400~820Vdc                                 |
| PV Start Voltage                           | 465Vdc                                     |
| MPPT efficiency                            | 99.9%                                      |
| Max Inverter feedback Current to the Array | 0A   |
| <b>Grid side</b>                           |  |
| output power                               | 50 kW                                      |
| Max.output current                         | 75.8A                                      |
| THD of grid current                        | <3%  |
| Power factor (cosφ)                        | >0.99                                      |
| Max. degree of efficiency                  | 96.50%                                     |
| European deg. of efficiency                | 95.50%                                     |
| Operating grid voltage                     | 320~450Vac 3~                              |
| Operation grid frequency                   | 47~52Hz                                    |
| Standby power Consumption                  | <45W                                       |
| Nighttime Power Consumption                | <20W                                       |
| Grid monitoring                            | According to VDE0126-1-1 guidelines        |
| communication interface                    | RS485/Ethernet (optional) /GPRS (optional) |
| Man-machine interface                      | LCD  |
| <b>Mechanical</b>                          |  |
| Dimensions (W x H x D)                     | 1000x1800x800 mm                           |
| Weight                                     | 742.2kg                                    |
| <b>Environmental conditions and safety</b> |  |

|                                    |  |
|------------------------------------|--|
| <b>Ingress protection</b>          | <b>IP20</b>  |
| <b>Protective class</b>            | <b>I</b>   |
| <b>Cooling</b>                     | <b>Air cooling</b>   |
| <b>Operating temperature range</b> | <b>-25~+55°C</b>   |
| <b>Relative humidity range</b>     | <b>15-95% (non condensing)</b>   |
| <b>Altitude</b>                    | <b>3000m;<br/>above 3000m need derate operating</b>  |
| <b>Noise emissions</b>             | <b>&lt;65dB</b>  |
| <b>Meet the standards</b>          | <b>EN 50178;DIN EN 62109;<br/>prIEC 62109-2; VDE 0126-1-<br/>1(or CGC/GF001:2009);<br/>EN6100-6-2 2005; EN6100-6-4 2007;<br/>ENEL (Italy) ; G59/2(UK);</b> |