

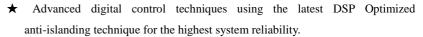
## NORTHERN ELECTRIC&POWER CO.,LTD

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★Optimized Maximum Power Point Tracking technique guarantees the maximum power output from the PV array User oriented Graphic User Interface (GUI) on an integrated.

★ 128\*64 graphic VFD and a keypad panel.

- ★ Support multiple communication protocols, including RS232/RS485/Ethernet/Zigbee etc.
- ★ Complete protection functions to protect against reverse DC polarity, over temperature, over current, short cirucuit, over/under voltage, anti-islanding, etc.
- ★ Can be used at a wide range of environment temperatures and high altitude.
- ★ Automatically power-on in the morning and enter a low power mode at night. No local operators required for daily operation



Specification of RDE-125K

| MODEL NORTHERN ELECTRIC |                                     | BDE-125K                       |
|-------------------------|-------------------------------------|--------------------------------|
| INPUT (DC)              | Max Recommended PV Power (kWp)      | 137                            |
|                         | Max DC Open Circuit Voltage (V)     | 880                            |
|                         | Max DC Input Current (A)            | 305                            |
|                         | MPPT Tracking Accuracy              | >99%                           |
|                         | MPPT Tracking Range (V)             | 450 - 820                      |
| OUTPUT (AC)             | Rated AC Output Power (kW)          | 125                            |
|                         | Nominal Power Grid Voltage (V)      | 400                            |
|                         | Allowable Power Grid Voltage (V)    | 320-460                        |
|                         | Allowable Power Grid Frequency (Hz) | 47.5—50.2                      |
|                         | THD                                 | <3% (at rated power)           |
|                         | Power Factor                        | 193 (e) ding) 0.95(lagging)    |
| SYSTEM<br>EFFICIENCY    | Peak Efficiency                     | NORTHERN ELECTRIC 97.3%        |
|                         | European Weighted Efficiency        | 96.7%                          |
|                         | Night Time Tire Loss (W)            | <10                            |
| PROTECTION<br>FUNCTIONS | Surge Protection                    | C (class II)                   |
|                         | Over/Under Voltage Protection       | Yes                            |
|                         | Over/Under Frequency Protection     | Yes                            |
|                         | Anti-Islanding Protection           | Yes                            |
|                         | Over Current Protection             | Yes                            |
|                         | Reverse DC Polarity Protection      | Yes                            |
|                         | Overload Protection                 | NED Yes                        |
|                         | Protection Degree                   | NORTHERN ELECTRIC IP20         |
|                         | Environment Temperature             | -35℃ +50℃                      |
|                         | Environment Humidity                | 0-95% non-condensation         |
| OTHER                   | Display                             | 128*64 graphic VFD and keypad  |
| PARAMETERS              | Communical ris E D                  | RS485, RS232, Ethernet, Zigbee |
|                         | Dimension (DaWellell mann)ac        | 800*1200*2200                  |
|                         | Weight (kg)                         | 980                            |