

NFD series AC VFD

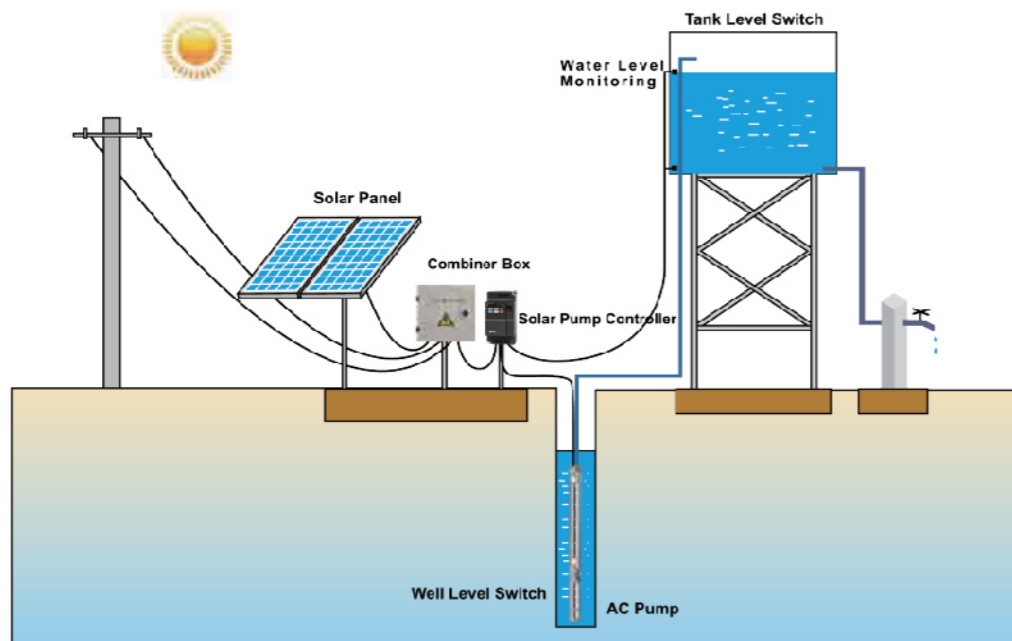
NFD series for PV pump

- Compatible with popular solar arrays
- Compatible with any IEC three-phase asynchronous motors
- 10-year market proven experience of leading motor and pump drive technology
- Built-in overvoltage, overload, overheat and dry-run motor protection
- Automatic regulation of pump flow
- Self-adaptive maximum power point tracking technology with up to 99% efficiency; Self-adaptation to the drive used in the installation



Power range
 220V / 1 phase: 0.4 ~ 1.5kW
 380V/ 3 phase: 0.75~22kW

AC Solar Pumping System



The series NFD AC solar pumping system mainly consists of PV array, mounting system, combiner box, NFD solar pump controller, submersible/surface AC pump, line reactor, liquid level switch and water tank.

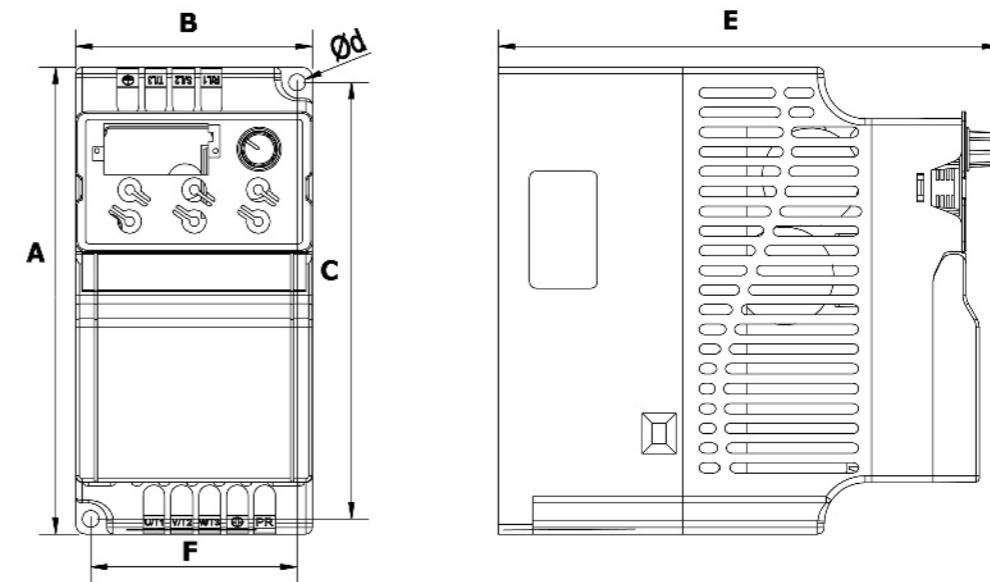


NFD series AC VFD

Rated specification of NFD

| Model | Input | Output power (KW) | Capacity (KVA) | Output current (A) | Overload (60s)(A) | Applied motor (KW) |
|--------------|---------------|-------------------|----------------|--------------------|-------------------|--------------------|
| NFD2 - 0R4G | 1PH / AC 220V | 0.4 | 1 | 2.5 | 3.75 | 0.4 |
| NFD2 - 0R7G | 1PH / AC 220V | 0.75 | 2 | 5 | 7.5 | 0.75 |
| NFD2 - 1R5G | 1PH / AC 220V | 1.5 | 2.8 | 7 | 10.5 | 1.5 |
| NFD4 - 0R7G | 3PH / AC 380V | 0.75 | 2.2 | 2.7 | 4.05 | 0.75 |
| NFD4 - 1R5G | 3PH / AC 380V | 1.5 | 3.2 | 4 | 6 | 1.5 |
| NFD4 - 2R2G | 3PH / AC 380V | 2.2 | 4 | 5 | 7.5 | 2.2 |
| NFD4 - 3R7G | 3PH / AC 380V | 3.7 | 6.8 | 8.6 | 12.9 | 3.7 |
| NFD4 - 5R5G | 3PH / AC 380V | 5.5 | 10 | 12.5 | 18.75 | 5.5 |
| NFD4 - 7R5G | 3PH / AC 380V | 7.5 | 14 | 17.5 | 26.25 | 7.5 |
| NFD4 - 11G | 3PH / AC 380V | 11 | 19 | 24 | 28.8 | 11 |
| NFD4 - 15G | 3PH / AC 380V | 15 | 26 | 33 | 45 | 15 |
| NFD4 - 18.5G | 3PH / AC 380V | 18.5 | 32 | 40 | 60 | 18.5 |
| NFD4 - 22G | 3PH / AC 380V | 22 | 37 | 47 | 70.5 | 22 |

Installation dimension, mm



| Model | Dimension, mm | | | Installation dimension, mm | | |
|---------------------------------------|---------------|---------|---------|----------------------------|-------|-----|
| | B, width | A, high | E, deep | C | F | φ D |
| NFD2 - 0R4G ~ NFD2 - 1R5G | 72 | 142 | 146 | 132.7 | 62.7 | 5.2 |
| NFD2 - 2R2G ~ NFD2 - 3R7G | 100 | 183 | 137.6 | 173 | 90 | 4.7 |
| NFD4 - 0R4G ~ NFD4 - 2R2G | 72 | 142 | 146 | 132.7 | 62.7 | 5.2 |
| NDF4 - 3R7G ~ NDF4 - 5R5G | 100 | 183 | 137.6 | 173 | 90 | 4.7 |
| NDF4 - 7R5G ~ NDF4 - 11G | 130 | 260 | 178 | 246.5 | 116 | 5.5 |
| NDF4 - 15G, NDF4 - 18.5G ~ NDF4 - 22G | 195 | 280 | 175 | 266 | 182.5 | 6.5 |