



\* Image shown are just indicative



Domestic water



Municipal water



Agriculture irrigation



Pasture animal husbandry



Forestry irrigation



Desert control

## Specification

| Parameter                       | Description  |             |             |             |             |
|---------------------------------|--|-------------|-------------|-------------|-------------|
| Pump Capacity                   | 2HP  | 3HP         | 5HP         | 7.5HP       | 10HP        |
| Maximum 3P Output Current       | 15A  | 15A         | 15A         | 20A         | 20A         |
| Overload Capacity               | 110% of nominal output capacity  |             |             |             |             |
| Output frequency                | 1Hz-240Hz  |             |             |             |             |
| Maximum 3P Output Voltage (RMS) | 230V   | 230V        | 380V        | 380V        | 380V        |
| Absolute Maximum DC Bus Voltage | 460V   | 460V        | 500V        | 900V        | 900V        |
| MPPT Voltage range              | 100 to 400V  | 100 to 400V | 150 to 480V | 300 to 850V | 300 to 850V |
| Solar Panel Type                | Monocrystalline / Mono-Perc  |             |             |             |             |
| Maximum Solar PV Wattage        | 2000Wp   | 3000Wp      | 5000Wp      | 7500Wp      | 10000Wp     |
| No. of Solar Panel in Series    | 4 (500Wp)  | 6 (500Wp)   | 9 (530Wp)   | 13 (530Wp)  | 18 (500Wp)  |
| Maximum DC Input Current        | 15A  | 15A         | 15A         | 20A         | 20A         |
| Protections                     | Output Short Circuit/ Output Open Circuit / Over Temperature / Over Voltage / Under Voltage / Over Current / Electronic Thermal Overload/ Output phase current unbalance / Serial Error / Over Speed /Motor Connection Open/ Thermal Overload / Dry Run / Reverse Polarity |             |             |             |             |
| Data Communication              | Isolated RS485 with MODBUS RTU for RMU/ Serial Display   |             |             |             |             |
| Remote Monitoring               | 2G / 4G  |             |             |             |             |
| Operation                       | PV only  |             |             |             |             |
| Motor types                     | 3P Induction Motor / PMSM  |             |             |             |             |
| MPPT Algorithm                  | P&O  |             |             |             |             |
| Waveform                        | Space Vector Pulse Width Modulation  |             |             |             |             |