



RGET LABS LLP
Intelligent Inverter



SOLAR PUMP CONTROLLER



Features

- In-house designed and developed.
- GSM Based Remote Monitoring Systems (RMS)
- **Data logging facility:** on SD Card, Mobile & Server
- **Keypad:** Parameter selection and modification
- **Display:** LCD(16x2)
- **Protection:** As per MNRE Guidelines
- **Enclosure:** IP65 (UV light & Water proof)
- **Range:** 1 to 10 HP
- **Motor Technology:** Induction, BLDC & PMSM
- **Parameter Configuration:** Auto & Manual



Advance Features

- Auto tuning for DC motor parameter calculation.
- Automatic MPPT voltage range selection.
- Same controller can works on AC or DC motor by option selection.
- Auto change over solar /grid power by smart sense technique.
- Power sharing in hybrid model while working on solar and grid

Technical Specifications

| Parameters | 1 HP | 2 HP | 3 HP | 5 HP | 7.5 HP | 10 HP |
|--------------------|---------|---------|----------|----------|----------|----------|
| Input Voltage(DC) | 30-250V | 50-450V | 110-450V | 110-800V | 110-600V | 110-800V |
| MPPT Voltage(DC) | 80-125V | 80-200V | 180-400V | 280-650V | 220-650V | 280-650V |
| Output Voltage(AC) | 0-80V | 0-150V | 0-230V | 0-350V | 0-270V | 0-350V |
| Output Frequency | 0-400Hz | | | | | |
| Max. Output Power | 1KW | 2KW | 2.8KW | 4.8KW | 6.5KW | 9KW |
| Max. Current | 10A | | | | 17A | |

Enclosure Details:

| | |
|-------------------------------|---|
| Ingress Protection(IP) | 65 |
| Impact Protection(IK) | 07 |
| Material | ABS(UV light and Rain proof) |
| Dimension(WxLxH) | 1)180 X 280 X 180 (1 to 3 HP) 2)280 X 380 X 210 (5 to 10 HP) |