ZETAPOWER

# Inspiration-S5/T10

## All-in-one RESS Product



The product of Inspiration Series adopts integrated design, integrated installation, protection level up to IP65, mainly used for household photovoltaic system. It integrates a hybrid inverter and LFP battery pack. The battery pack has a modular, expandable design, enabling flexible power configuration. The product supports power grid, photovoltaic and battery access at the same time, and has the function of off-grid operation.

- IP65
- Mixed use of old and new batteries
- Low-temperature heating
- Fire protection system
- Multi-parallel expansion design
- Self shutdown and external activation

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| Parameter | Inspiration-S5 | Inspiration-T10 |
|---|---|---|
| **Input DC (PV side)** | | |
| Recommended Max. PV Power | 10kW | 20kW |
| Max. PV Input Voltage | 580 V | 1100 V |
| MPPT Voltage Range | 100 ~ 550 V | 140 ~ 950 V |
| Max. Input Current Per MPPT | 15 A | 16 A |
| Max. Short Circuit Current Per MPPT | 18.75 A | 24 A |
| MPPT Number | 2 | 3 |
| **Output AC (Back-up)** | | |
| Rated Output Power | 5 kW | 10 kW |
| Max. Apparent Output Power | 10 kVA | 10 kVA |
| Back-up Switch Time | <20 ms | |
| Rated Output Voltage | L/N/PE，230V | 3L/N/PE，380/400V |
| Rated Frequency | 50/60 Hz | 50/60 Hz |
| Rated Output Current | 21.7 A | 14.5 A |
| **Input AC (Grid side)** | | |
| Max. Input Power | 10 kW | 20 kW |
| Max. Input current | 43.5 A | 29 A |
| **Output AC(Grid side)** | | |
| Rated Output Power | 5 kW | 10 kW |
| Max. Apparent Output Power | 5 kVA | 11 kVA |
| Rated Grid Voltage | L/N/PE，230V | 3L/N/PE，380/400V |
| Grid Voltage Range | 170 ~ 270 V | 150 ~ 288 V |
| Rated Grid Frequency | 50 / 60 Hz | 50 / 60 Hz |
| Rating Grid Output Current | 21.7 A | 14.5 A |
| **Efficiency** | | |
| Max. Efficiency | >97 % | >98 % |
| EU Efficiency | >96.2 % | >97.5% |
| **System Parameter** | | |
| Display | LCD/APP/Website | |
| Installation | Floor-mount | |
| Operation Temperature Range | -25~+60℃ (derating above 45℃ ) | |
| Safety/ EMC Standard | IEC/EN61000-6-1/2/3/4 | |

| | | | |
|---|---|---|---|
| |  |  |  |
| **Name** | **Inverter（S5)** | **Inverter（T10)** | **Battery Module** |
| Dimension:W*D*H | 674*195*455mm | 674*215*455mm | 674*170*420mm |
| Weight | 28kg | 29kg | 55kg |

| Parameter | Battery |
|---|---|
| Cell Type | LFP |
| Nominal Voltage | 350-435V |
| Nominal Energy /Module | 5120Wh |
| System Energy | 15360Wh(3 Modules) |
| Charge/Discharging Voltage | 400(360~435)V |
| Charge/Discharging Current | 7.5*2 A / 7.5*3 A |
| Charge/Discharging Power | 3000*2w / 3000*3w |
| Charge Temperature Range | 0~55℃ |
| Discharge Temperature Range | -20℃ ~ 55℃ |
| Cycle Life (Time) | ≥ 6000（80% DOD，Remaining 80%） |
| Communication | CAN&RS485 |
| Max Battery Parallel Number | 15 |
| Safety & Certification | CE, IEC/EN62619, IEC/EN62477, UL1973, UL9540A |
| Transportation | UN38.3 |
| **Parameter** | **Inverter+Battery** |
| Storage Temperature | -40~+60℃ |
| Storage RH | 5%~95% (non condensing) |
| Max. Operation Altitude | 3000m |
| IP | IP65 |
| Cooling Method | Natural Cooling |