

# Hybrid Solar Inverter

## DP6.5KW-48V



## Technical Specifications

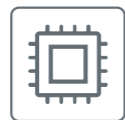


|                                    |                                              |
|------------------------------------|----------------------------------------------|
| Model Number                       | <b>DP6.5KW-48V</b>                           |
| Rated Input Voltage (VAC)          | 208/220/230/240;L+N+PE                       |
| Voltage Range (VAC)                | 90~280+3 (normal mode); 170~280+3 (UPS mode) |
| Frequency (Hz)                     | 50 / 60 (Auto Adaptive)                      |
| Rated Capacity (kW)                | 6.5                                          |
| Surge Power (kVA)                  | 13                                           |
| Voltage (VAC)                      | 208/220/230/240                              |
| Power Factor (PF)                  | 1                                            |
| Frequency                          | 50/60Hz+0.1%                                 |
| Switch Time (ms)                   | 10 (normal mode) /10 (UPS mode)              |
| Wave Form                          | Pure Sine Wave                               |
| Overload Capacity (Battery Mode)   | 1min@102%~120%; 10S@> 120%Load               |
| Max. Efficiency (Battery Mode)     | 94%@48VDC                                    |
| Parallel Quantity                  | NA                                           |
| Solar Charger Type                 | MPPT                                         |
| Max PV input current/power         | 27A/9000W                                    |
| MPPT Range@Operating Voltage (VDC) | 60~450                                       |
| Max PV Open Circuit Voltage (VDC)  | 500                                          |
| Max PV Charge Current (A)          | 120                                          |
| Max AC Charge Current (A)          | 120                                          |
| Max. Charge Current (PV + AC) (A)  | 120                                          |
| Rated Voltage (VDC)                | 48                                           |
| Battery Type                       | Lithium and Lead-acid                        |
| HMI                                | LCD                                          |
| Intertace                          | RS232/ RS485 / USB                           |
| Monitoring                         | WiFi (Optional)                              |
| Ingress Protection                 | IP21                                         |
| Operating Temperature              | -10°C~60°C                                   |
| Relative Humidity                  | 5% ~ 95% (Non-condensing)                    |
| Storage Temperature                | -15 °C~ 60 °C                                |
| Net Weight (kg)                    | 8.0                                          |
| Dimensions (W*H*D)                 | 410x336x115mm                                |
| Max. Operating Altitude            | 4000m (Derating above 1000m)                 |

## Product Features



Built-in 120A Solar Charger



MPPT Range 60-500V



Workable with Generator



27A MAX PV Input



Dual AC Out



Support Lithium/Lead-acid Battery



Lithium Battery Activation



WiFi Monitoring (optional)



Feed-in to Grid

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