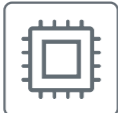









# Hybrid Solar Inverter

## DP12KW-48V



### Product Features

-  Built-in 160A Solar Charger
-  MPPT Range 60-500V
-  Workable with Generator
-  45A MAX PV Input
-  Dual AC Out
-  5 Inch Display
-  Support Lithium/Lead-acid Battery
-  Lithium Battery Activation
-  WiFi Monitoring (optional)
-  Feed-in to Grid

### Technical Specifications



|                                     |  |
|-------------------------------------|--|
| Model Number                        | <b>DP12KW-48V</b>  |
| Rated Input Voltage (VAC)           | 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)                 | 12   |
| Surge Power (kVA)                   | 24   |
| Voltage (VAC)                       | 220/230/240  |
| Power Factor (PF)                   | 50/60Hz+0.1%   |
| Frequency                           | 10(APP/UPS mode), 20(GEN mode)   |
| Switch Time (ms)                    | Pure Sine Wave   |
| Wave Form                           | 1min@102%~125%Load   |
| Overload Capacity (Battery Mode)    | 10s@> 125%Load   |
| Max. Efficiency (Battery Mode)      | 94%@48VDC  |
| Parallel Quantity                   | NA   |
| Solar Charger Type                  | Dual MPPTs   |
| Max. PV input Current / Input Power | Using One MPPT: 27A/9KW<br>Using Two MPPTs: 22.5A/Per MPPT, 15kW/Total |
| MPPT Range@Operating Voltage (VDC)  | 60-450   |
| Max. PV Open Circuit Voltage (VDC)  | 500  |
| Max. PV Charge Current (A)          | 160  |
| Max. AC Charge Current (A)          | 160  |
| Max. Charge Current (PV + AC) (A)   | 160  |
| Rated Voltage (VDC)                 | 48   |
| Floating Charge Voltage (VDC)       | 54   |
| Overcharge Protection (VDC)         | 61   |
| Battery                             | Lithium and Lead-acid  |
| HMI                                 | LCD  |
| Interface                           | RS232/RS485/CAN  |
| 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)                     | 14   |
| Dimensions (H*W*D)                  | 525x435x138mm  |
| Max. Operating Altitude             | 4000m(Derating above 1000m)  |

### Technical Specifications

