



DEYE

Deye 8KW Hybrid Inverter

Battery Input Data

- **Battery Type:** Lead acid or Li-Ion
- **Battery Voltage Range (V):** 40-60V
- **Max. Charging Current (A):** 190A
- **Max. Discharging Current (A):** 190A
- **Charging curve:** 3 Stages/Equalization
- **External Temperature Sensor:** Optional
- **Charging Strategy for Lithium Battery:** Self adaption to BMS PV String Input Data
- **Max. DC Input Power (W):** 10400W.
- **PV input Voltage (V):** 370V (100V-500V).
- **MPPT Range (V):** 125-425V.
- **Start-up Voltage (V):** 150V.
- **PV Input Current (A):** 22A + 22A.
- **No. of MPPT Trackers:** 2
- **No. of Strings Per MPPT Tracker:** 2+2.

AC Output Data

- **Rated AC Output and UPS Power (W):** 8000W
- **Max AC Output Power (W):** 8800W □ **Peak Power(off-grid):** 2 times of rated power, 10 S.
- **AC Output Rated Current(A):** 33.4A/35A
- **Max.AC Output Current(A):** 36.7A/38.5A.
- **Max Continuous AC Pass-through(A):** 50A

- **Description Includes:** Wi-Fi Dongle + BMS Communication Cable Higer yields. Improve self consumption ratio up to 80%, reducing your electricity bill.
- DC/AC ratio up to 1.3, completely suitable for double side PV modular.
- Two MPPT design, Max. efficiency of 97.6%. User-friendly.
- LCD Touch screen and buttons, easy operation. Compatible with lithium-ion battery and lead acid battery.
- Web browser and mobile App monitoring supported. Reliable.
- PV lighting protection, Anti islanding protection, Leakage current protection etc.
- Support store energy from DG when needed, ensure the system working within 7*24H.
- IP65 protection degree, adapt to indoor and outdoor using.
- Automatically switch from on-grid to off grid mode within 5ms.
- Zero exporting function, fast reaction within 200ms in zero export mode. Smart.
- Programmable charging and discharging schedule.
- Both wind turbines and solar panels can be connected as DC input power.
- Max. 16 units can be paralleled for higher system power.
- Retrofitting of existing solar system to energy storage system

- Output Frequency and Voltage: 50/60Hz; 120/240Vac(split phase), 208Vac(2/3 phase), 230Vac(single phase)
- Grid Type: THD<3%(Linear load<1.5%).
- Current Harmonic Distortion: THD<3% (Linear load<1.5%). Efficiency
- Max. Efficiency: 97.60%
- Euro Efficiency: 97.00%
- MPPT Efficiency: 99.90% Protection
- PV Arc Fault Detection: Integrated (Except European Type)
- PV Input Lightning Protection: Integrated
- Anti -islanding Protection: Integrated
- PV String Input Reverse Polarity Protection: Integrated
- Insulation Resistor Detection: Integrated
- Residual Current Monitoring Unit: Integrated
- Output over Current Protection: Integrated
- Output Shorted Protection: Integrated
- Output over Voltage Protection: Integrated
- Certifications and Standards
- Grid Regulation: UL1741, IEEE1547, RULE21, VDE0126, AS4777, NRS2017, G98, G99, IEC61683, IEC62116, IE61727
- Safety Regulation: IEC62109-1, IEC62109-2
- EMC: EN61000-6-1, EN61000-6-3, FCC 15 class B General Data
- Operating Temperature Range (C): -25—60 C , >45 C Derating
- Cooling: Fan
- Noise (dB): <30
- Communication with BMS: RS485; CAN
- Weight (kg): 32
- Size (mm): 680 X 4200 X 233mm
- Protection Degree: IP65
- Installation Style: Wall-mounted