

# Complete Storage Solution

# On/Off-grid Hybrid



## 7.6kW·8kW (EU Version)

**5**  
Year  
Product  
Warranty

**20+**  
Country  
Global  
Application

**97.6%**  
CEC  
Peak  
Efficiency

### AC Output

|                                  |   |           |
|----------------------------------|---|-----------|
| Rated AC Output and UPS Power(W) | 7600W   | 8000W     |
| Max AC Output Power(W)           | 8360W   | 8800W     |
| Peak Power(off grid)             | 2 times of rated power, 10s   |           |
| AC Output Rated Current(A)       | 31.7A/33A   | 33.4A/35A |
| Max.AC Current(A)                | 36.4A/38A   | 38.3A/40A |
| Max Continuous AC Passthrough(A) | 50A   | 50A       |
| Output Frequency and Voltage     | 50/60Hz; 120/240Vac(split phase), 208Vac(2/3 phase), 230Vac(single phase) |           |
| Grid Type                        | Split phase, 2/3phase, Single Phase                                       |           |
| Current Harmonic Distortion      | THD<3%(Linear load<1.5%)  |           |

### General Data

|                                 |                          |  |
|---------------------------------|--------------------------|--|
| Operating Temperature Range(°C) | -25~60°C, >45°C Derating |  |
| Cooling                         | Fan                      |  |
| Noise(dB)                       | <30                      |  |
| Communication with BMS          | Rs485; CAN               |  |
| Weight(kg)                      | 32kG                     |  |
| Size(Length*Width*Height mm)    | 680X420X233mm            |  |
| Protection Degree               | IP65                     |  |
| Installation Style              | Wall-mounted             |  |
| Warranty                        | 5 years                  |  |

### Solar Input

### HYH-7.6K/8K-EU

|                                |                             |        |
|--------------------------------|-----------------------------|--------|
| Max.DC Input Power(W)          | 9800W                       | 10400W |
| PV Input Voltage (V)           | 370V.d.c(100V.d.c~500V.d.c) |        |
| MPPT Range(V)                  | 125V.d.c~425V.d.c           |        |
| Start-up Voltage(V)            | 125V.d.c                    |        |
| PV Input Current(A)            | 18A+18A                     |        |
| No.of MPPT Trackers            | 2                           |        |
| No.of Strings Per MPPT Tracker | 2+2                         |        |

### Battery Input

|                                      |                      |  |
|--------------------------------------|----------------------|--|
| Battery Type                         | Lead-acid or Li-Ion  |  |
| Battery Voltage Range(V)             | 40V~60V              |  |
| Max. Charging Current(A)             | 190A                 |  |
| Max. Discharging Current(A)          | 190A                 |  |
| Charging Curve                       | 3Stages/Equalization |  |
| External Temperature Sensor          | Optional             |  |
| Charging Strategy for Li-Ion Battery | Self-adaption to BMS |  |

### UPS Output-with Battery

|                                     |        |        |
|-------------------------------------|--------|--------|
| UPS Max. Output Power without Solar | 7600W  | 8000W  |
| UPS Max. Output Power with Solar    | 7600W  | 8000W  |
| UPS Nominal Output Voltage          | 230V   |        |
| UPS Nominal Output Frequency        | 50HZ   |        |
| UPS Nominal Output Current          | 33A    | 35A    |
| Peak Power                          | 15200W | 16000W |
| THDV                                | <3%    | <3%    |
| Switching Time                      | 10ms   |        |

EMC/Safety/On-grid certification available for

North America · South America · Brazil · Europe · Australia · India · Korea · Israel & Thailand etc.

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