

# H2

## THREE PHASE SERIES

H2-5K/ 6K/ 8K/ 10K-T2



Easy setting of smart working modes

**AFCI** AFCI (optional)

**15A** DC 15A/ string matched with ultra high PV modules

**150%** 150% DC oversizing



Battery supported fast charging/ discharging

**100%** Supported 100% three phase voltage imbalance

**UPS** With UPS function switch time < 10ms

**110%** 110% AC overloading

## H2-5K/ 6K/ 8K/ 10K-T2

| MODEL   | H2-5K-T2   | H2-6K-T2   | H2-8K-T2   | H2-10K-T2  |
|---|--|------------|------------|------------|
| <b>DC Input</b>                               |  |            |            |            |
| Max. PV Array Power [Wp]@STC                  | 7500   | 9000       | 12000      | 15000      |
| Max. DC Voltage [V]                           | 1000   |            |            |            |
| MPPT Voltage Range [V]                        | 180~900  |            |            |            |
| Nominal DC Voltage [V]                        | 600  |            |            |            |
| Start Voltage [V]                             | 180  |            |            |            |
| Max. DC Input Current [A]                     | 15 / 15  |            |            |            |
| Max. DC Short Circuit Current [A]             | 18 / 18  |            |            |            |
| No. of MPPT                                   | 2  |            |            |            |
| No. of Strings per MPPT                       | 1/1  |            |            |            |
| <b>Battery Input</b>                          |  |            |            |            |
| Battery Type                                  | Lithium battery  |            |            |            |
| Battery Voltage Range [V]                     | 180~600  |            |            |            |
| Max. Charging/ Discharging Current [A]        | 30/30  |            |            |            |
| Rated Charging/ Discharging Power [W]         | 5000   | 6000       | 8000       | 10000      |
| <b>AC Output [On-grid]</b>                    |  |            |            |            |
| Rated AC Power [W]                            | 5000   | 6000       | 8000       | 10000      |
| Max. AC Power [VA]                            | 5500   | 6600       | 8800       | 11000      |
| Rated AC Current [A]@230Vac                   | 7.2  | 8.7        | 11.6       | 14.5       |
| Max. AC Current [A]                           | 8.3  | 10.0       | 13.3       | 16.7       |
| Nominal AC Voltage [V]                        | 220/ 380Vac, 230/ 400Vac, 3L/ N/ PE  |            |            |            |
| Rated Grid Frequency/ Range [Hz]              | 50/ 60 ± 5   |            |            |            |
| Power Factor [cos φ]                          | 0.8 leading~0.8 lagging  |            |            |            |
| Total Harmonic Distortion [THDi]              | <3%  |            |            |            |
| <b>AC Output [Back-up Mode]</b>               |  |            |            |            |
| Rated Output Power [W]                        | 5000   | 6000       | 8000       | 10000      |
| Max. Output Current [A]                       | 8.0  | 9.6        | 12.8       | 15.9       |
| Rated Output Voltage [V]                      | 220/ 380Vac, 230/ 400Vac, 3L/ N/ PE  |            |            |            |
| Rated Output Frequency [Hz]                   | 50/ 60 ± 5   |            |            |            |
| Output THDv (@ Liner Load)                    | <3%  |            |            |            |
| Peak Output Apparent Power [VA]               | 10000, 60s   | 12000, 60s | 16000, 60s | 16500, 60s |
| <b>Efficiency</b>                             |  |            |            |            |
| Max. Efficiency                               | 98.0%  |            |            |            |
| Euro Efficiency                               | 97.6%  |            |            |            |
| Max. Battery Charging/ Discharging Efficiency | 97.6%  |            |            |            |
| <b>Protection</b>                             |  |            |            |            |
| AC Short Circuit Protection                   | Integrated   |            |            |            |
| Overload Protection                           | Integrated   |            |            |            |
| Residual Current Monitoring Unit              | Integrated   |            |            |            |
| Battery Input Reverse Polarity Protection     | Integrated   |            |            |            |
| Anti-islanding Protection                     | Integrated   |            |            |            |
| AC Surge Protection                           | Type III   |            |            |            |
| DC Surge Protection                           | Type III   |            |            |            |
| AFCI  | Optional   |            |            |            |
| <b>Interface</b>                              |  |            |            |            |
| PV Connection                                 | MC4  |            |            |            |
| Battery Connection                            | Quick Connector  |            |            |            |
| AC Output                                     | Plug-in Connector  |            |            |            |
| Display                                       | LED+APP  |            |            |            |
| Communication Port                            | CAN/ RS485/ DRM/ RS232   |            |            |            |
| Communication                                 | Wi-Fi/ Ethernet/ 4G (Optional)   |            |            |            |
| <b>General Data</b>                           |  |            |            |            |
| Topology                                      | Transformerless  |            |            |            |
| Operating Temperature Range                   | -40°C to +60°C   |            |            |            |
| Cooling Method                                | Natural Convection   |            |            |            |
| Ambient Humidity                              | 0%~100% Non-condensing   |            |            |            |
| Altitude                                      | 4000m (>3000m power derating)  |            |            |            |
| Noise [dBA]                                   | <30  |            |            |            |
| Ingress Protection                            | IP65   |            |            |            |
| Mounting                                      | Rear Panel   |            |            |            |
| Dimensions [H*W*D] [mm]                       | 433*549*207  |            |            |            |
| Weight [kg]                                   | 25   |            |            |            |
| Applicable Standard                           | CEI 0-21, VDE4105-AR-N, VDE0126-1-1, EN50438, G98, G99, EN50549, AS4777.2 IEC62109-1&-2, EN61000-6-1/2/3/4 |            |            |            |