

HS2

SERIES
THREE PHASE HYBRID ALL-IN-ONE SOLUTION



HS2-5K-T2 | HS2-6K-T2
HS2-8K-T2 | HS2-10K-T2



Easy installation
with pre-wiring

16A

Max 16A input current to
better match high power
panel



Modular design and
expandable up to 25.0kWh

UPS

With UPS function
switch time $\leq 10\text{ms}$

IP65

IP65 outdoor design

100%

Supported 100% three phase
voltage imbalance



| MODEL | HS2-5K-T2 | HS2-6K-T2 | HS2-8K-T2 | HS2-10K-T2 |
|---|---|------------|------------|------------|
| DC Input | | | | |
| Max. PV Array Power [Wp]@ STC | 7500 | 9000 | 12000 | 15000 |
| Max. DC Voltage [V] | 1000 | | | |
| MPPT Voltage Range [V] | 180 ~ 900 | | | |
| Rated DC Voltage [V] | 600 | | | |
| Start Voltage [V] | 180 | | | |
| Max. DC Input Current [A] | 16/16 | | | |
| Max. DC Short Circuit Current [A] | 19.2/19.2 | | | |
| No. of MPPT | 2 | | | |
| Battery Parameters | | | | |
| Battery Type | LiFePO4 | | | |
| Battery Voltage Range [V] | 180 ~ 600 | | | |
| Max. Charging/ Discharging Current [A] | 30/30 | | | |
| Scalability | BU2-5.0-HV1 (up to 25.0kWh) | | | |
| AC Output [On-grid] | | | | |
| Rated AC Power [W] | 5000 | 6000 | 8000 | 10000 |
| Max. Apparent Power*1 [VA] | 5500 | 6600 | 8800 | 11000 |
| Rated Output Current [A]@ 230Vac | 7.2 | 8.7 | 11.6 | 14.5 |
| Max. Output Current [A] | 8.3 | 10.0 | 13.3 | 16.7 |
| Rated AC Voltage/ Range [V] | 3L+N+PE, 220/380, 230/400, 240/415; 180 ~ 280/312 ~ 485 | | | |
| Rated Output Frequency/ Range [Hz] | 50,60/45 ~ 55,55 ~ 65 | | | |
| Power Factor [cos φ] | 0.8 leading ~ 0.8 lagging | | | |
| Total Harmonic Distortion [THDi] | <3% | | | |
| AC Input [On-grid] | | | | |
| Rated AC Voltage/ Range [V] | 3L+N+PE, 220/380, 230/400, 240/415; 180 ~ 280/312 ~ 485 | | | |
| Rated Input Frequency [Hz] | 50,60 | | | |
| Max. Input Current [A]@ 230Vac | 7.2 | 8.7 | 11.6 | 14.5 |
| AC Output [Back-up] | | | | |
| Max. Output Power [VA] | 5000 | 6000 | 8000 | 10000 |
| Max. Output Current [A] | 8.0 | 9.6 | 12.8 | 15.9 |
| Peak Output Apparent Power [VA] | 10000, 60s | 12000, 60s | 16000, 60s | 16500, 60s |
| Rated AC Voltage/Range [V] | 3L+N+PE, 220/380, 230/400, 240/415; 180 ~ 280/312 ~ 485 | | | |
| Rated Output Frequency/Range [Hz] | 50,60/45 ~ 55,55 ~ 65 | | | |
| Output THDv (@ Linear Load) | <3% | | | |
| Efficiency | | | | |
| Max. Efficiency | 98.0% | | | |
| Euro Efficiency | 97.6% | | | |
| Protection | | | | |
| Battery Input Reverse Polarity Protection | Integrated | | | |
| Over load Protection | Integrated | | | |
| AC Short Circuit Current Protection | Integrated | | | |
| DC Surge Protection | Integrated | | | |
| AC Surge Protection | Integrated | | | |
| Anti-islanding Protection | Integrated | | | |
| AFCI Protection | Optional | | | |
| RSD Protection | Optional | | | |
| Interface | | | | |
| PV Connection | MC4/H4 | | | |
| AC Connection | Plug-in connector | | | |
| Battery Connection | Quick connector | | | |
| Display | LED+APP | | | |
| Communication | Wi-Fi/Ethernet/4G(Optional) | | | |
| General Parameters | | | | |
| Topology | Non-isolated | | | |
| Operating Temperature Range | -40°C to +60°C (45°C to 60°C with derating) | | | |
| Cooling Method | Natural Convection | | | |
| Ambient Humidity | 0-100% Non-condensing | | | |
| Altitude | 4000m (>3000m Power Derating) | | | |
| Noise [dBA] | <35 | | | |
| Ingress Protection | IP65 | | | |
| Dimensions [H*W*D] [mm] | 450*626*365 | | | |
| Weight [kg] | 28 | | | |
| Warranty [Year] | 5/10/15/20 | | | |
| Standard | EN62109-1/2, EN61000-6-2/4, EN50438, EN50549, C10/11, IEC62116, IEC61727, RD1699, RD413, UNE 206006, UNE 206007, NTS, CEI 0-16, AS4777.2, NBR16149, NBR 16150 VDE-AR-N 4015, VDE 0126-1-1 | | | |

Remarks: *1 According to C10/C11, Max. Apparent Power= Rated AC Power

Products are continuously updated and parameters are just for references.

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