

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	EN 62109-1/2, EN 61000-6-2/4, EN 50438, EN 50549, C10/11, IEC 62116, IEC 61727, RD 1699, RD 413, UNE 206006, UNE 206007, NTS, CEI 0-16, CEI O-021, AS 4777.2, NBR 16149, 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.