

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



Max 16A input current to
better match high power
panel



Modular design and
expandable up to 25.5kWh

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	BU2-5.12-HV1 (up to 25.6kWh)			
AC Output [On-grid]				
Rated AC Power [W]	5000	6000	8000	10000
Max.Apparent Power* [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]	L+N+PE, 220,230,240/180 ~ 280			
Rated Output 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 (@ Liner 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			
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]	554*626*365mm			
Weight [kg]	18.5			
Warranty [Year]	5/10/15/20/25			
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: *1According to C10/C11, Max. Apparent Power= Rated AC Power; *2According to VDE-ARN-N 4105, Rated AC Current for HS2-5K-T2 is 20A.