

H2 SERIES

THREE PHASE



H2-5K-T2 | H2-6K-T2
H2-8K-T2 | H2-10K-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 fast charging/
discharging supported

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
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]			15 / 15	
Max. DC Short Circuit Current [A]			18 / 18	
No. of MPPT			2	
No. of Strings per MPPT			1/1	
Battery Parameters				
Battery Type			Lithium battery	
Battery Voltage Range [V]			180~600	
Rated Charging/ Discharging Current [A]			30/30	
Rated Charging/ Discharging Power [W]	5000	6000	8000	10000
AC Output [On-grid]				
Rated AC Power [W]	5000	6000	8000	10000
Max. Apparent 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
Rated AC Voltage			220/ 380V, 230/ 400V, 3L/ N/ PE	
Rated Output Frequency [Hz]			50/ 60 ±5	
Power Factor [cos φ]			0.8 leading~0.8 lagging	
Total Harmonic Distortion [THDi]			<3%	
AC Output [Back-up Mode]				
Rated Output Power [VA]	5000	6000	8000	10000
Max. Output Current [A]	8.0	9.6	12.8	15.9
Rated Output Voltage			220/ 380V, 230/ 400V, 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
Efficiency				
Max. Efficiency			98.0%	
Euro Efficiency			97.6%	
Max. Battery Charging/ Discharging Efficiency			97.6%	
Protection				
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	
Interface				
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)	
General Data				
Topology			Transformerless	
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]			<30	
Ingress Protection			IP65	
Mounting			Rear panel	
Dimensions [H*W*D] [mm]			433*549*207	
Weight [kg]			25	
Warranty [Year]			5/10/15/20	
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	