



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 \leq 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			