

# 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  $\leq 10\text{ms}$

**110%** 110% AC overloading



MODEL	H2-5K-T2	H2-6K-T2	H2-8K-T2	H2-10K-T2
<b>DC Input</b>				
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	
<b>Battery Parameters</b>				
Battery Type			LiFePO4	
Battery Voltage Range[V]			180~600	
Max. Charging/Discharging Current [A]			30/30	
<b>AC Output [On-grid]</b>				
Rated AC Power [W]	5000	6000	8000	10000
Rated Apparent Power [VA]	5000	6000	8000	10000
Max. Apparent Power [VA]	5500	6600	8800	11000
Rated/Max. AC Current Output to Utility Grid [A]	8.3	10.0	13.3	16.7
Current Inrush [A]			52.0	
Max. AC Fault Current [A]			45.0	
Max. AC Over Current Protection [A]	20.8	25.0	33.3	41.8
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%			
<b>AC Input [On-grid]</b>				
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. AC Current from Utility Grid [A]	14.5	17.4	23.2	29.0
<b>AC Output [Back-up]</b>				
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%			
<b>Efficiency</b>				
Max. Efficiency	98.0%			
Euro Efficiency	97.6%			
<b>Protection</b>				
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			
<b>Interface</b>				
PV Connection	MC4/H4			
AC Connection	Plug-in connector			
Battery Connection	Quick connector			
Display	LED+APP			
Communication	Wifi/ethernet/4G (optional)			
<b>General Parameters</b>				
Topology	Non-isolated			
Operating Temperature Range	-25°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			
Dimensions [H*W*D] [mm]	433*549*207			
Weight [kg]	25			
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			