


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
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			
Battery Parameters				
Battery Type	LiFePO4			
Battery Voltage Range[V]	180~600			
Max. Charging/Discharging Current [A]	30/30			
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
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%			
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	8.3	10.0	13.3	16.7
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	Wifi/ethernet/4G (optional)			
General Parameters				
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			

Remarks: *1 According to C10/C11, Max. Apparent Power= Rated AC Power.

Products are continuously updated and parameters are just for reference.

Made in China. Manufacturer: SAJ

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