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	**200%** 150%~200% 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

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MODEL	H2-5K-T2	H2-6K-T2	H2-8K-T2	H2-10K-T2
DC Input				
Max. PV Array Power [Wp]@STC*	1500	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
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%			
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. AC Current from Utility Grid [A]	14.5	17.4	23.2	29.0
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℃ to +60℃ (45℃ to 60℃ 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 4105, VDE 0126-1-1			

Remarks: * Under the premise of meeting the maximum input voltage and maximum input current of the inverter, 5kW,6kW inverters can meet the maximum 200% access without failure.
The allowed access power does not represent the actual input power and output power of the device!
This value is for user reference, please consult SAJ Australia technical support for the actual number of PV panels to be installed.