H2 SERIES

SINGLE PHASE

H2-3K-S2 | H2-3.6K-S2 | H2-4K-S2
H2-5K-S2 | H2-6K-S2

Easy setting of smart working modes	**AFCI** AFCI (optional)	**16A** DC 16A/ string matched with ultra high PV modules
Battery fast charging/ discharging supported	**200%** 200% DC oversizing	**UPS** With UPS function switch time ≤ 10ms

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MODEL	H2-3K-S2	H2-3.6K-S2	H2-4K-S2	H2-5K-S2	H2-6K-S2
DC Input					
Max. PV Array Power [Wp]@STC*	4500	5400	6000	7500	9000
Max. DC Voltage [V]	550				
MPPT Voltage Range [V]	90 ~ 500				
Rated DC Voltage [V]	360				
Start Voltage [V]	100				
Max. DC Input Current [A]	16/16				
Max. DC Short Circuit Current [A]	19.2/19.2				
No. of MPPT	2				
Battery Parameters					
Battery Type	LiFePO4				
Battery Voltage Range[V]	85 ~ 450				
Max. Charging/Discharging Current [A]	30/30				
AC Output [On-grid]					
Rated AC Power [W]	3000	3680	4000	4999	6000
Rated Apparent Power [VA]	3000	3680	4000	4999	6000
Max. Apparent Power [VA]	3300	3680	4400	4999	6000
Rated/Max. AC Current Output to Utility Grid [A]	15.0	16.7	20.0	21.7	27.3
Current Inrush [A]	100.0				
Max. AC Fault Current [A]	55.0				
Max. AC Over Current Protection [A]	55.0				
Rated AC Voltage/Range [V]	L+N+PE, 220,230,240/180 ~ 280				
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]	L+N+PE, 220,230,240/180 ~ 280				
Rated Input Frequency [Hz]	50,60				
Max. AC Current from Utility Grid [A]	26.1	32.0	34.8	43.5	52.2
AC Output [Back-up]					
Max. Output Power [VA]	3000	3680	4000	4999	6000
Max. Output Current [A]	13.6	16.7	18.2	22.7	27.3
Peak Output Apparent Power [VA]	3600, 60s	4416, 60s	4800, 60s	6000, 60s	7200, 60s
Rated AC Voltage/Range [V]	L+N+PE, 220,230,240/180 ~ 280				
Rated Output Frequency/Range [Hz]	50,60/45 ~ 55,55 ~ 65				
Output THDv (@ Linear Load)	<3%				
Efficiency					
Max. Efficiency	97.6%				
Euro Efficiency	97.0%				
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]	<35				
Ingress Protection	IP65				
Dimensions [H*W*D] [mm]	385.5*499*193.5				
Weight [kg]	17.6				
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,3kW,3.6kW,4kW,5kW 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.