



H2 SERIES

THREE PHASE HYBRID INVERTER



H2-15K-T2 | H2-20K-T2
 H2-20K-T3 | H2-25K-T3-B
 H2-25K-T3 | H2-29.9K-T3 | H2-30K-T3



Easy setting of smart working modes

AFCI AFCI(Integrated)

20A DC 20A string matched with ultra high PV modules



Battery fast charging/ discharging supported

200% 150%~200% DC oversizing

UPS With UPS function switch time ≤ 20ms



MODEL	H2-15K-T2	H2-20K-T2	H2-20K-T3	H2-25K-T3-B	H2-25K-T3	H2-29.9K-T3	H2-30K-T3
DC Input							
Max. PV Array Power [Wp]@STC	30000	30000	40000	45000	45000	45000	45000
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]	40/40		40/40/40				
Max. DC Short Circuit Current [A]	50/50		50/50/50				
No. of MPPT	2		3				
Number of String per MPP Tracker	2/2		2/2/2				
Battery Parameters							
Battery Type	LiFePO4						
Battery Voltage Range [V]	180 ~ 800						
Max.Charging/Discharging Current [A]	50/50						
AC Output [On-grid]							
Rated AC Power [W]	15000	20000	20000	25000	25000	29900	30000
Max. Apparent Power*1 [VA]	16500	22000	22000	25000	27500	29900	33000
Rated Output Current [A]@230Vac	21.8	29.0	29.0	36.3	36.3	43.4	43.5
Max. Output Current [A]	24.0	31.9	31.9	36.3	39.9	43.4	47.9
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	28.3	37.7	37.7	47.2	47.2	56.4	56.6
AC Output [Back-up]							
Max. Output Power [VA]	15000	20000	20000	25000	25000	29900	30000
Max. Output Current [A]	21.8	29.0	29.0	36.3	36.3	43.4	43.5
Peak Output Apparent Power [VA]	22500,3s	30000,3s	30000,3s	37500,3s	37500,3s	45000,3s	45000,3s
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	Type II						
AC Surge Protection	Type II						
Anti-islanding Protection	Integrated						
AFCI Protection	Integrated						
General Parameters							
Display	LED+APP						
Communication	Wi-Fi/Ethernet/4G(Optional)						
Topology	Non-isolated						
Operating Temperature Range	-40°C to +60°C (45°C to 60°C with derating)						
Cooling Method	Intelligent Fan cooling						
Ambient Humidity	0-100% Non-condensing						
Altitude	4000m (>3000m Power Derating)						
Noise [dBA]	<50						
Ingress Protection	IP65						
Dimensions [H*W*D] [mm]	576*659*252						
Weight [kg]	50						
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 0-021, 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.