



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
PV String Input					
Max. PV Array Power [Wp]@STC	7500	9000	12000	15000	
Max. DC Voltage [V]	1000				
MPPT Voltage range [V]	180~900				
Nominal DC Voltage [V]	600				
Start Voltage/Min. Input Voltage [V]	180				
Max. DC Input Current [A]	15 / 15				
Max.DC Short Circuit Current [A]	18 / 18				
Number of MPPT	2				
No. of Strings per MPPT	1/1				
Battery Input					
Battery Type	Lithium battery				
Battery Voltage Range [V]	180~600				
Max. Charging/ Discharging Current [A]	30/30				
Rated Charging/ Discharging Power [W]	5000	6000	8000	10000	
AC Output/ Input Data(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	
Max. AC Current from Utility Grid [A]	14.5	17.4	23.2	29.0	
Current Inrush [A]	52				
Max. AC Fault Current [A]	45				
Max. AC Over Current Protection [A]	20.8	25.0	33.3	41.8	
Nominal AC Voltage [V]	220/ 380Vac, 230/ 400Vac, 3L/ N/ PE				
Grid Frequency/ Range [Hz]	50/ 60 ±5				
Power Factor [cos φ]	0.8 leading~0.8 lagging				
Total Harmonic Distortion[THDi]	<3%				
AC Output [Back-up Mode]					
Max. Output Power [VA]	5000	6000	8000	10000	
Max. Output Current [A]	8.0	9.6	12.8	15.9	
Rated Output Voltage [V]	220/ 380V, 230/ 400V, 3L/ N/ PE				
Rated Output Frequency[Hz]	50/ 60 ±5				
Output THDv (@ LinerLoad)	<3%				
Peak Output Apparent Power [VA]	10000, 60s	12000, 60s	16000, 60s	16500, 60s	
Efficiency					
Max. Efficiency	98.0%				
Euro Efficiency	97.6%				
MPPT Efficiency	>99.9%				
Max.Battery Charging/ Discharging Efficiency	97.6%				
Protection					
AC Short-circuit Protection	Integrated				
Overload Protection	Integrated				
Residual Current Monitoring Unit	Integrated				
Battery Input Reverse Polarity Protection	Integrated				
Anti-islanding Protection	Integrated				
AC Surge Protection	Type III				
DC Surge Protection	Type III				
AFCI	Optional				
Interface					
PV Connection Type	MC4				
Battery Connection Type	Quick connector				
AC Output	Plug-in connector				
Display	LED+APP				
Communication Port	CAN/ RS485/ DRM/ RS232				
Communication	Wi-Fi/ Ethernet/4G (Optional)				
General Data					
Topology	Non-isolated				
Ingress Protection	IP65				
Operating Temperature Range	-25°C to +60°C				
Ambient Humidity	0%~100% non-condensing				
Altitude	4000m (>3000m power derating)				
Noise [dBA]	<30				
Cooling Method	Natural convection				
Dimensions [H*W*D] [mm]	433*549*207				
Weight [kg]	25				
Standard Warranty [Year]	5				
Applicable Standard	CEI 0-21, VDE4105-AR-N, VDE0126-1-1, EN50438, G98, G99, EN50549, AS4777.2 IEC62109-1&-2, IEC62040-1 , EN61000-6-1/2/3/4				