

H2-5K/ 6K/ 8K/ 10K-T2

H2

THREE PHASE SERIES

H2-5K/ 6K/ 8K/ 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 supported
fast charging/ discharging

100% Supported 100%
three phase voltage
imbalance

UPS With UPS function
switch time < 10ms

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							
Nominal 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							
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 [On-grid]								
Rated AC Power [W]	5000		6000		8000		10000	
Max. AC Power [VA]	5500		6600		8800		11000	
Rated AC Current [A]@230Vac	7.2		8.7		11.6		14.5	
Max. AC Current [A]	8.3		10.0		13.3		16.7	
Nominal AC Voltage [V]	220/ 380Vac, 230/ 400Vac, 3L/ N/ PE							
Rated 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]								
Rated Output Power [W]	5000		6000		8000		10000	
Max. Output Current [A]	8.0		9.6		12.8		15.9	
Rated Output Voltage [V]	220/ 380Vac, 230/ 400Vac, 3L/ N/ PE							
Rated Output Frequency [Hz]	50/ 60 ± 5							
Output THDv (@ Liner Load)	<3%							
Peak Output Apparent Power [VA]	10000, 60s		12000, 60s		16000, 60s		16500, 60s	
Efficiency								
Max. Efficiency	98.0%							
Euro Efficiency	97.6%							
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	MC4							
Battery Connection	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	Transformerless							
Operating Temperature Range	-40°C to +60°C							
Cooling Method	Natural Convection							
Ambient Humidity	0%~100% Non-condensing							
Altitude	4000m (>3000m power derating)							
Noise [dBA]	<30							
Ingress Protection	IP65							
Mounting	Rear Panel							
Dimensions [H*W*D] [mm]	433*549*207							
Weight [kg]	25							
Applicable Standard	CEI 0-21, VDE4105-AR-N, VDE0126-1-1, EN50438, G98, G99, EN50549, AS4777.2 IEC62109-1&-2, EN61000-6-1/2/3/4							