



WisdomMG

WISEN-T Three-Phase
Household Energy Storage System
WISEN HT8K~15K-BH8P~32P



20A DC single
string input
current

160% PV oversized
and up to 110% AC
overload output

Support the mixed
use of old and new
batteries

Switch time <10ms

Supports 100%
unbalanced output
for three-phase loads

IP66 protection degree

140-700V wide
battery connection
range

WISEN HT8K~15K-BH8P~32P

Performance Parameters

Model:	WIN HT8K		WIN HT10K		WIN HT12K		WIN HT15K	
Battery Input Parameters								
Battery Type	LFP							
Rated Voltage	550V							
Battery Voltage Range	140V-700V							
Max Charging/Discharging Power	8kW	10kW	12kW	15kW				
Max Charging/Discharging Current	30A							
Photovoltaic Input Parameters								
Max Input Power	12.8kW	16kW	19.2kW	24kW				
Max Input Voltage	1000V							
Startup Voltage	180V							
MPPT Voltage Range	200V - 850V							
MPPT Max Input Current	26A+20A							
MPPT Max Short-Circuit Current	34A+27A							
MPPT Quantity	2							
Input Strings per MPPT	2+1							
Grid-Connected Input & Output								
Rated Input Power	8kW	10kW	12kW	15kW				
Rated Input Current	11.6A	14.5A	17.4A	21.7A				
Max Input Apparent Power	16kVA	20kVA	24kVA	30kVA				
Rated Voltage	3L/N/PE,230/400Vac							
Voltage Range	195Vac-253Vac							
Rated Grid Frequency	50 Hz/60 Hz 45-55Hz/55-65Hz							
Rated Output Power	8kW	10kW	12kW	15kW				
Off-Grid Output Parameters								
Rated Output Apparent Power	8kVA	10kVA	12kVA	15kVA				
Rated Output Power	8kW	10kW	12kW	15kW				
Max Output Current	12.8A	16A	19.1A	23.8A				
Rated Output Voltage	3L/N/PE,230/400Vac							
Rated Output Frequency	50/60 Hz							
Basic Parameters								
Operating Temperature Range	-25~+60°C(>40°C derating)							
Relative Humidity	5~95%							
Altitude	4000m(>2000m derating)							
User interface	LED & APP							
Weight	31kg							
Dimensions (Width × Height × Depth mm)	540*455*220							
Protection Degree	IP66							
Other								
Certifications	EN IEC61000-6-1/3,EN IEC61000-6-2/4, EN IEC62109-1/-2, IEC62116, IEC61727, EN 50549-1/-10, NF EN 50549-1/10, CEI 0-21, NTS: 2021, UNE 217001, UNE 217002, Portaria n ° 73/2020, IEC60068,IEC60529,RoHS(2011/65/EU+2015/863), WEEE(2012/19/EU), UN38.3, MSDS							
Warranty	10 Year							
Battery Performance Parameters								
Battery Module Models	SUM BH8P	SUM BH16P	SUM BH24P	SUM BH32P				
Battery Type	LFP							
Rated Energy	8.04kWh	16.08kWh	24.12kWh	32.16kWh				
Usable Capacity	7.23kWh	14.45kWh	21.70kWh	28.90kWh				
Rated Voltage	550V							
Max Charge/Discharge Power	4kW	8kW	12kW	16kW				
Operating Temperature Range	-20°C ~ 50°C							
Protection Degree	IP66							
Net Weight	75kg	150kg	225kg	300kg				
Dimensions (Width × Height × Depth mm)	695*560*265	695*930*265	695*1300*265	695*1670*265				
Certifications	EN IEC61000-6-1/3,EN IEC61000-6-2/4, IEC62619 (IEC60730-1 Annex H), EN IEC62040-1,EN IEC62477-1, IEC 60068, IEC60529,RoHS(2011/65/EU+2015/863), WEEE(2012/19/EU), UN38.3, MSDS							
Warranty	10 Year							