



WisdomMG

WISEN-T Series 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 level

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	550 V			
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	1000 V			
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	20kVA	20kVA
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%			
Relative Humidity	4000m(>2000m derating)			
Human-Machine Interface	LED & APP			
Weight	31kg			
Dimensions (Width × Height × Depth mm)	540*455*220			
Protection Rating	IP66			
Other				
Certifications	IEC/EN62109-1/-2,IEC/EN62477-1,IEC/EN 61000-6-1,IEC/EN 61000-6-3,EN50549-1,EN50549-10, CEI 0-21			
Warranty	10 Years			
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 Rating	IP66			
Net Weight	75 kg	150 kg	225kg	300 kg
Dimensions (Width × Height × Depth mm)	695*560*265	695*930*265	695*1300*265	695*1670*265
Certifications	EN IEC61000-6-2/4,EN IEC61000-6-1/3,EN IEC62040-1,EN IEC62477-1,IEC60730-1 Annex H, IEC62619, IEC60529,WEEE(2012/19/EU),MSDS,RoHS(2011/65/EU+2015/863),UN38.3			
Warranty	10 Years			