



WisdomMG

WISEN-S Single-Phase
Household Energy Storage System

WISEN HS4K~6K - BL5P~30P



UPS-grade backup
with switchover
time under 10 ms



Fully modular design for
flexible configuration, easy
installation, and maintenance



Automatic isolation of
faulty battery modules to
ensure stable operation



IP66 protection for indoor
and outdoor deployment



App supports third-party
device integration for
strong expandability



High intelligence,
compatible with Energy AI+



Comprehensive battery
hardware & software
protection for safe operation

WISEN HS4K~6K - BL5P~30P

Performance Parameters

Model:	WIN HS4K	WIN HS5K	WIN HS6K
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Battery Input Parameters	
Battery Type	LFP
Rated Voltage	51.2 V
Battery Voltage Range	42~60 V
Max Charging/Discharging Power	5 kW
Max Charging/Discharging Current	100 A

Photovoltaic Input Parameters	
Max Input Power	9 kW
Max Input Voltage	550 V
Startup Voltage	120 V
MPPT Voltage Range	125 V ~ 500 V
MPPT Max Input Current	16 A * 2
MPPT Max Short-Circuit Current	20 A * 2
MPPT Quantity	2
Input Strings per MPPT	1

Grid-Connected Input			
Rated Input Power	4 kW	5 kW	6 kW
Rated Input Current	17.4 A	21.7 A	26 A
Max Input Apparent Power	8 kVA	10 kVA	11 kVA
Rated Voltage	230 Vac		
Voltage Range	180 Vac ~ 276 Vac		
Rated Grid Frequency	50 Hz/60 Hz		
Rated Output Power	4 kW	5 kW	6 kW

Off-Grid Output Parameters			
Rated Output Apparent Power	4 kVA	5 kVA	6 kVA
Rated Output Power	4 kW	5 kW	5 kW
Max Output Current	17.4 A	21.7 A	21.7 A
Rated Output Voltage	230 V		
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	LCD & APP
Weight	27.5 kg
Dimensions (Width × Height × Depth mm)	540*450*185
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 BL5P	SUM BL10P	SUM BL15P	SUM BL 20P	SUM BL25P-DB	SUM BL30P-DB
Battery Type	LFP					
Rated Energy	5.12 kWh	10.24 kWh	15.36 kWh	20.48 kWh	25.6 kWh	30.72 kWh
Usable Capacity	4.6 kWh	9.21 kWh	13.82 kWh	18.43 kWh	23.04 kWh	27.64 kWh
Rated Voltage	51.2					
Max Charge/Discharge Power	2.5 kW	5 kW	5 kW	5 kW	5 kW	5 kW
Operating Temperature Range	-20°C ~ 50°C					
Protection Degree	IP66					
Net Weight	49 kg	98 kg	147 kg	196 kg	252 kg	301 kg
Dimensions (Width × Height × Depth mm)	650 ×460 × 180	650×820×180	650×1180×180	650×1540×180	650×1180×180+ 650×1180×180	650×1180×180+ 650×1340×180
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					