

WSL-HL10~16K-P1EU

Single Phase | 3 MPPTs Hybrid Inverter
Low Voltage



- Max.275A Charge/Discharge for High-Rate Battery Support
- 3 MPPTs with 150% PV Oversizing for Higher Yield
- Wide MPPT Range(80-480V) for Complex Rooftop Design
- Supports Generator&Smart load, Parallel up to 6 Units
- <10ms UPS-Level Switching for Critical Load Continuity
- AC Coupling Ready for Easy Retrofit and System Upgrade

Application scenario



House



Farm



Telecom



Countryside



Island



Pasture

TECHNICAL SPECIFICATION

Model	WSL-HL10K-P1EU		WSL-HL12K-P1EU		WSL-HL14K-P1EU		WSL-HL16K-P1EU	
INVERTER INPUT/OUTPUT (GRID)								
Rated Power (kW)	10		12		14		16	
Rated Voltage	220/230/240Va.c., L+N+PE							
Rated Frequency (Hz)	50/60							
Power Factor Range	0.8 leading~0.8 lagging							
Switch Time (ms)	<10							
Current (Maximum/Continuous)(A a.c.)	43.5		52.2		60.9		69.6	
Max Output Overcurrent Protection	100							
BATTERY								
Battery Type	Lithium/Lead-acid							
Battery Voltage Range (V d.c.)	40~60							
Rated Battery Voltage (V d.c.)	51.2							
Max Charge Current (A d.c.)	220		250		275		275	
Max Discharge Current (A d.c.)	220		250		275		275	
Reverse Connect Protection	Yes							
PV INPUT								
No.of MPPT Tracker/Strings	3/2+2+2							
Max.PV Array Power (kW)	15		18		21		22.5	
Max DC Voltage (V d.c.)	550							
MPPT Voltage Range (V d.c.)	80-480							
Start-up Voltage (V d.c.)	120							
Max.Input Current (A d.c.)	3*26							
Isc PV (Absolute Maximum)(A d.c.)	3*39							
AC OUTPUT (EPS)								
EPS Rated Output Voltage	220/230/240Va.c., L+N+PE							
EPS Rated Output Frequency (Hz)	50/60							
EPS Rated Output Active Power (kW)	10		12		14		16	
EPS Rated Output Apparent Power (kVA)	10		12		14		16	
EPS Rated Output Current (A a.c.)	43.5		52.2		60.9		69.6	
Overload Capacity (Off Grid)	110%(<60s)/120%(<30s)/150%(<10s)							
EFFICIENCY								
MPPT Efficiency	99.90%							
Euro-efficiency	96.50%							
Max.Efficiency	97.30%							
PROTECTION & FEATURE								
Insulation Monitoring	Yes							
Residual Current Monitoring	Yes							
Parallel Function	Yes							
Protection Degree	IP65							
Certifications	CE10-21, EN50549-1, VDE-AR-N4105, UNE217002, NTSTYPEA, G99, AS/NZS477.2etc.							
Other Protection	Output overvoltage,Output over curent,Shortcircuit,Surge,Temperature							
GENERAL PARAMETER								
Storage Temperature	-25°C~ +60°C							
Operating Temperature	-25°C~ +60°C (Linely derating to 60% when exceed +45°C~ +60°C)							
Humidity	0-100% (Non-condensing)							
Altitude (m)	4000(>2000 Derating)							
Noise (dB)	<45							
Machine Dimension(W*H*D) (mm)	600*466*252							
Machine Weight/N.W. (kg)	40							
DISPLAY & COMMUNICATION								
Display	LCD+APP							
Interface	RS485/WiFi/CAN/Bluetooth(Optional:Bluetooth/LAN/Meter)							

• The AC voltage and frequency range can differ according to the grid standards of each country.
• Please note that all specifications are subject to change without prior notice.