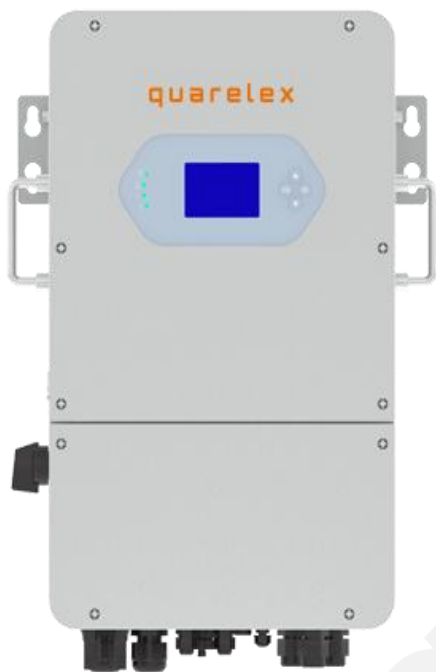
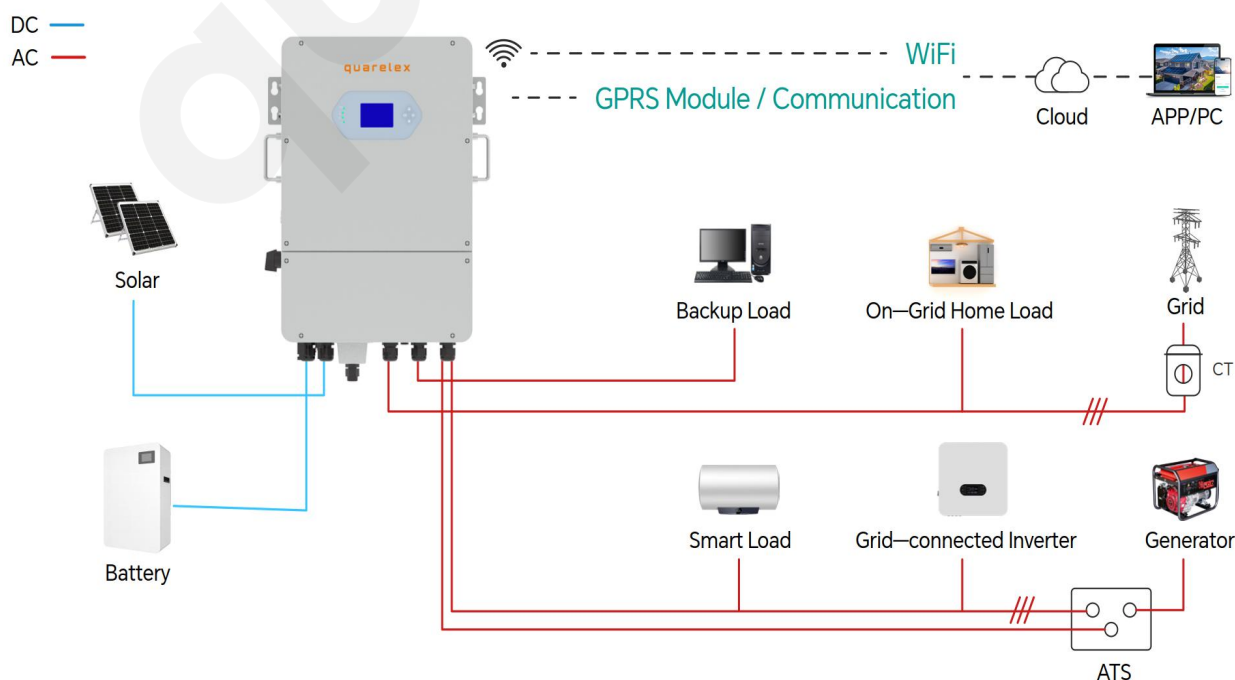


QXH02-P1M6K/8K/10K/12K-EU



- AC couple to retrofit existing solar system
- Up to 3 MPPTs, Max. charging/discharging current up to 250A
- Max. 12 pcs in Parallel
- 6 time periods for battery charging/discharging
- On-grid to off-grid switching less than 10 ms
- Smart load management, CT sensing, ATS support, and optional GPRS module for remote connectivity.
- Support multiple batteries in parallel
- Color touch screen
- IP65 protection grade
- Support storing energy from diesel generator

* Outlook of the product may be subject to change without notice during product improving.



Specifications

Model	QXH02-P1M6K-EU		QXH02-P1M8K-EU		QXH02-P1M10K-EU		QXH02-P1M12K-EU	
Battery Input Data								
Battery Type	Lead-acid or Lithium-ion							
Battery Voltage Range (V)	40-60V							
Max. Charging Current (A)	135A		190A		220A		250A	
Max. Discharging Current (A)	135A		190A		220A		250A	
Charging Strategy for Li-ion Battery	Self-adaption to BMS							
Number of Battery Input	1							
PV String Input Data								
Max. PV Input Power (W)	9000W		12000W		13000W		15600W	
Max. PV Input Voltage (V)	500V							
Start-up Voltage (V)	125V							
MPPT Voltage Range (V)	150-425V							
Rated PV Input Voltage (V)	370V							
Full Load DC Voltage Range	300-425V							
PV Input Current (A)	18A + 18A		26A + 26A		26A + 26A + 26A		26A + 26A + 26A	
Max.PV Isc(A)	27A + 27A		34A + 34A		34A + 34A + 34A		34A + 34A + 34A	
No. of MPPT	2		2		3		3	
No. of Strings per MPPT	1+1		1+1		1+1+1		1+1+1	
AC Input/Output Data								
Rated AC Input/Output Active Power (W)	6000		8000		10000		12000	
Max. AC Input/Output Apparent Power (VA)	6600		8800		11000		13200	
Peak Power(off-grid)	2 times of rated power, 10s							
Rated AC Input/Output Current (A)	27.3/26.1		36.4/34.8		45.5/43.5		54.9/52.2	
Max. AC Input/Output Current (A)	30/28.7		40/38.2		50/47.8		60/57.4	
Max. Continuous AC Pass through(A)	40		50		60		60	
Power Factor Adjustment Range	0.8 leading to 0.8 lagging							
Output Frequency and Voltage	50/60Hz; L/N/PE 220/230V (single phase)							
Grid Type	Single Phase							
Total Current Harmonic Distortion THDi	<3% (of nominal power)							
DC Injection Current	<0.5% In							
Efficiency								
Max. Efficiency	97.6%							
Euro Efficiency	96.5%							
MPPT Efficiency	>99%							
Equipment Protection								
Integrated	PV Arc Fault Detection, PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection							
Surge Protection Level	TYPE II(DC), TYPE II(AC)							
Over Voltage Category	DC Type II / AC Type III							
Interface								
Battery Communication Interface	RS485/CAN							
Monitor Mode	RS485/USB/CAN/Wifi/GPRS(optional)							
General Data								
Operating Temperature Range (°C)	-25 to +60°C							
Permissible Ambient Humidity	0-95%							
Permissible Altitude	2000m							
Noise (dB)	<30							
Ingress Protection(IP) Rating	IP65							
Inverter Topology	Non-Isolated							
Size (WxHxD mm)	340x490x256 mm (product) 680x440x340 mm (packaging)		340x560x257 mm (product) 680x440x340 mm (packaging)		430x629.9x256 mm (product) 760x530x340 mm (packaging)			
Weight (kg)	22 kg (product) 26 kg (packaging)		25.5 kg (product) 29 kg (packaging)		36 kg (product) 39 kg (packaging)			
Type of Cooling	Smart Air Cooling							
Warranty	5 Years							
General Data								
Grid Certification	IEC61727/62116,EN50549 -1							
Safety/EMC Standards	IEC/EN 62109-1,IEC/EN 62109-2,IEC/EN 61000-6-1, IEC/EN 61000-6-2,IEC/EN 61000-6-3,IEC/EN 61000-6-4							