

KQ- IVCS-Single-Phase Inverter With Built-in Charge Controller 8KW-30KW

Model



- A power-on test function, which can avoid the faults because of hazards of the inverter
- A wide range of input frequencies, which realize the stable operation of fuel generators
- Frequency tracking, noise filtering and low distortion in inverter output

Datesheet	KQ-IVCS-8KW	KQ-IVCS-10KW	KQ-IVCS-15KW	KQ-IVCS-20KW	KQ-IVCS-30KW
Rated Power	8KW	10KW	15KW	20KW	30KW
Battery					
Battery voltage	192VDC/220VDC/240VDC				
Voltage of over discharge protection	168VDC/189VDC/210VDC				
Restart voltage after low battery	216VDC/243VDC/270VDC				
MPPT Controller					
Controller Types	With Max. power point tracking MPPT function controller				
Rate current	solar1:50A ; solar 2:50A				
Current limiting protection	solar1:52A ; solar 2:52A				
Rate voltage	192VDC/220VDC/240VDC				
System identification voltage range	/				
Operating voltage range	DC 260V-DC 420V				
Charge mode	Three stages: constant current(quick charge), constant pressure, floating charge				
Battery Type	lead-acid battery or you can customize parameters to charge others				
PV module input power	192VDC:solar 1,10KW; solar 2,10KW; 220VDC: solar 1,11.5KW; solar 2,11.5KW; 240VDC:solar 1,12.5KW; solar 2,12.5KW;				
Vmax-pv	less than 420VDC				
Vlow-pv	240VDC/250VDC/270VDC				
Vstar-pv	260VDC/270VDC/290VDC				
Vovet-pv	425VDC				
Floating charge voltage (Lead acid battery)	220.8VDC/248.4VDC/276VDC (can be customized)				
Average charging voltage (Lead acid battery)	232VDC/261VDC/290VDC (can be customized)				
PV module utilization	less than 99.97%				
Machine efficiency	more than 96.5%				
Output regulation accuracy	less than ±1.5%				
Temperature coefficient	±0.02%/ °C				
Temperature compensation	14.2V-(max. temperature -25°C) * 0.3				
Protective function	Input and output over-voltage protection,anti-reverse protection, short circuit protection,etc.				
Input					
Input voltage	220VAC ±20%. 60/50Hz ±5%				
Output voltage	220VAC ±20%. 60/50Hz ±5%				
Output wave	pure sine wave THD less than 4%				
Conversion time	less than 10ms				
Overload	110-120% / 30S; more than 150%/300MS;				
Efficiency	more than 90%				
Dynmic load voltage transient	Output short circuit, overvoltage, low voltage, low battery power protection				
Others					
Operating ambient temperature & Humidity	-10-40°C.; 20-90%				
Dimension(W*H*D)	536*560*1015				635*566*1295
Weight	125kg	148kg	165kg	182kg	252kg