

KQ- IVCT-Threse-Phase Inverter With Built-in Charge Controller 10KW-30KW

Model



- Visualization of operation status of the equipment through simple LEDs and a LCD display
- Settable battery protection parameters, and a function of password protection;
- Excellent performance because of the DSP intelligent control inversion technology

Datesheet	KQ- IVCT-10KW	KQ- IVCT-15KW	KQ- IVCT-20KW	KQ- IVCT-30KW
Rated Power	10KW	15KW	20KW	30KW
Battery				
Battery voltage	192VDC/216VDC/240VDC			
Low power shutdown voltage	172VDC/194VDC/216VDC			
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/216VDC/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; 216VDC: 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 phase number	Three-phase+N+G			
Input voltage	380VAC ±15%. 60/50Hz ±5%			
Output voltage	AC220/380VAC ±20%. 60/50Hz ±5%			
Output waveform & Efficiency	pure sine wave ; more than 90% (100% resistive load)			
Total harmonic distortion	Linear load less than 3% Nonlinear load less than 5%			
Dynamic load voltage transient	less than ±5%(0-100%)			
Instantaneous recovery time	less than 10ms			
Battery and mains switching time	1s-3s			
Unbalanced voltage	less than ±3%(blancing load voltage)			
Overload capacity	120% 20s; more than 150%, 100ms			
Others				
Operating ambient temperature & Humidity	-10-40°C. ; 0-90%			
Dimension(W*H*D)	635*566*1295			
Weight	180kg	220kg	263kg	320kg