

IAT

2, 2- 11kW



Flexibility

- Compatible with IEC standard three-phase asynchronous induction motors
- Compatible with popular PV modules
- IP65 for outdoor installation
- External AC/DC junction box, switch to power supply(automatic/manual)

Reliability

- 10-year market proven experience of leading motor and pump drive technology
- Smart IGBT module integrated to simplify system design, reduce board space, and thus simplify the manufacturing process
- Choose high-quality material, excellent heat dissipation performance, improve system reliability

Smartness

- Self-adaptive maximum power point tracking, efficiency up to 99%
- Automatic regulation of pump flow
- Self-adaptation to the drive used in the installation

Remote Monitoring

- Standard RS485 interface equipped for each solar pump controller
- Optional GPRS modules for remote monitoring
- Function data and error records easy to lookup
- Android /iOS monitoring APP support of PC

Datasheet

Controller Model	4K	5.5K	7.5K	11K
Input Data				
PV source				
Max Input Voltage(Voc)	800V DC			
Recommended Voltage (mpp)	500~700V DC			
Recommended PV array power (kW)	4.8~6.4	6.6~8.8	9.0~12.0	13.2~17.6
Alternate AC Generator				
Input Voltage	380/400/415/440V AC(±15%), Three Phases			
Power and VA capability (kVA)	5.9	8.9	11.0	17.0
Output Data				
Rated Output Power (kW)	4.0	5.5	7.5	11.0
Rated Output Voltage	380/400/415/440VAC(±15%), Three Phases			
Rated Output Current (A)	9.0	13.0	17.0	25.0
Max Output Current (A)	13.0	17.0	25.0	32.0
Output Frequency	0~50Hz/60Hz			
Protection				
Surge Protection	Integrated			
Overvoltage Protection	Integrated			
Overvoltage protection	Integrated			
Deadlock Protection	Integrated			
Open Circuit Protection	Integrated			
Short Circuit Protection	Integrated			
High Temperature Protection	Integrated			
Dry-run Protection	Integrated			
Communication				
Communication port	Standard, isolated Rs-485, Modbus protocol			
General Data				
Ambient Temperature Range	-20℃~60℃>45℃, Derating as Required			
Cooling Method	Fan Cooling			
Protection Level	IP65			
Dimension[W*H*D](mm)	172*240*144		218*300*154	
Standard Warranty (month)	18			
Certificate	IEC/EN 61800-5-1,IEC/EN 61800-2:2004,IEC/EN 61800-3:2004,CE			

Note: 1. According to the light conditions, in different regions, the PV array power can be 1.2-1.6 times to the pump power.
2. Use the deep well pump or the output power wire for a long occasion, the controller needs to enlarge one step.