

SINGLE PHASE & MULTIPLE MPPT

SE 2KMI-Q14

Application: Residential Use



FEATURES

- High efficiency for various environment
- Safety & no risk of high voltage
- Real-time Smart Module-level monitoring
- High quality & long lifetime
- Complies with IP67 protection
- Easy installation
- Flexible for system expansion
- Small size & lightweight
- Match with high power PV modules
- Convenient Wifi inside
- Fanless design & zero noise



Model	SE 2KMI-Q14
Input (PV)	
Module Compatibility	54-cell/108 half-cell, 60-cell/120 half-cell, 66-cell/132 half-cell and 72-cell/144 half-cell
Commonly Used Module Pairings	200W~670W+
Input Channels	4
No. of MPPTs	4
MPPT Voltage Range	28V~55V
Operating Range	16V~60V
Max Input DC Voltage	60V
Max Input DC Current	15A
Maximum Input Short Circuit Current	4*19.9A
Output (Grid)	
Peak Output Power	2200VA
Nominal Output Power	2000VA
Rated Voltage	208V/220V/230V/240V
Rated Voltage Range	176V~276V
Rated Frequency	50Hz/60Hz
Rated Frequency Range	45~55Hz/55~65Hz
THDV	5%
Power Factor Setting	1
Single/Three Phase	Single Phase
Efficiency	
Peak Efficiency	97.0%
MPPT Efficiency	99.5%
CEC Weighted Efficiency	96.0%
General	
Ambient Temperature Range	-40°C to +65°C
Cooling	Natural Convection
Humidity	0~100%
IP Rating	IP67
Night-Time Power Consumption	30mW
Dimensions (W*H*D)	303mm*259mm*50mm
Weight	5.7Kg
HMI & COM	
Communication	WiFi inside
Compliance	
Safety	ORDINANCE No. 140 2022
Warranty	12 Years Standard, 25 Years Optional

Note: · Frequency and voltage range follow related grid-connection regulations

