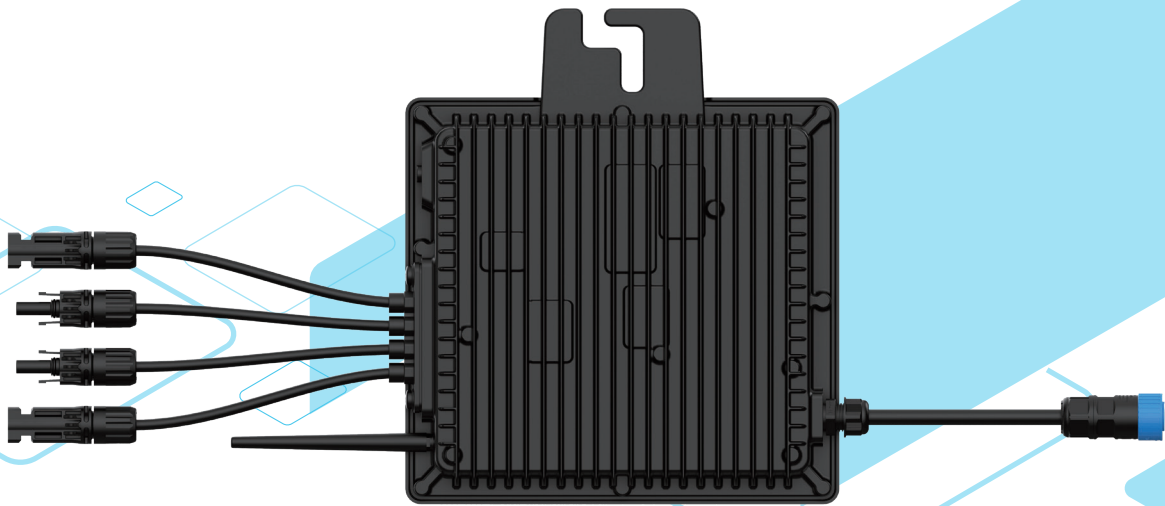


SINGLE PHASE & DUAL MPPT

SE 1KMI-D12

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 1KMI-D12
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	2	
No. of MPPTs	2	
MPPT Voltage Range	28V~55V	
Operating Range	16V~60V	
Max Input DC Voltage	60V	
Max Input DC Current	15A	
Maximum Input Short Circuit Current	2*19.9A	
Output (Grid)		
Peak Output Power	1100VA	
Nominal Output Power	1000VA	
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)	224mm*210mm*44mm	
Weight	2.1Kg	
HMI & COM		
Communication	WiFi inside	
Compliance		
Safety	EN 62109-1/-2, EN 61000-6-1/-2/-3/-4, EN 50549-1, PN-EN 50549-1, DIN V VDE V 0126-1-1, VFR 2019, G98/NI, G99/NI	
Warranty	12 Years Standard, 25 Years Optional	

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

