

EVYA

S4K6KWP1 / S5KWP1 S5K5KWP1 / S6KWP1 S6K6KWP1

Grid-Tied Inverter

Application: Residential Use | Single phase & dual MPPT

Efficienza
fino al
98.2%

2
MPPT

Protezione
IP66



SINGLE PHASE DUAL MPPT

Parameter	evya s4k6kwp1	evya s5kwp1	evya s5k5kwp1	evya s6kwp1	evya s6k6kwp1
Efficiency					
Max. Efficiency	98.2%				
European Efficiency	97.4%				
Input (PV)					
Max. Input Voltage	550V				
Max. PV Configuration (STC)	150%				
Rated Input Voltage	360V				
Max. Input Current	20A/20A				
Max. Short Circuit Current	30A/30A				
Start Input Voltage	50V				
MPPT Operating Voltage Range	40V-540V				
Number of MPPTs	2				
No. of PV Strings	1/1				
Output (Grid)					
Rated AC Active Power	4,600W	5,000W	5,500W	6,000W	6,600W
Max. AC Apparent Power	5,060VA	5,500VA	6,050VA	6,600VA	7,260VA
Max. AC Output Current	23A	25A	27.5A	30A	33A
Rated AC Voltage	220V/230V/240V, L+N+PE				
AC Voltage Range(1)	160V-300V (Adjustable)				
Rated Grid Frequency	50Hz/60Hz				
Grid Frequency Range(2)	45Hz-55Hz/55Hz-65Hz (Adjustable)				
THDI	<3%@Rated Power				
DC Current Injection	<0.5%@Rated Current				
Power Factor	> 0.99@Rated power (Adjustable 0.8 LD - 0.8 LG)				
Protection					
DC Switch	Yes				
Anti-Islanding Protection	Yes				
AC Overcurrent Protection	Yes				
AC Short Circuit Protection	Yes				
DC Reverse Protection	Yes				
Surge Arrester	DC Type III (Type II optional)/AC Type III (Type II optional)				
Insulation Detection	Yes				
Leakage Current Protection	Yes				
AFCI 2.0	Optional				
PID Recovery	Optional				
String Intelligent Monitoring	Yes				
Consumption Monitoring	Optional				
General					
Topology	Transformerless				
IP Rating	IP66				
Night Self Consumption	<1W (Standard)				
Cooling Method	Natural Cooling				
Operating Temperature Range	-25°C-60°C				
Relative Humidity Range	0-100%				
Max. Operating Altitude	4000m				
Dimensions (W*H*D)	297mm*282mm*145mm				
Weight	7.2kg				
HMI & COM					
Display	Wireless & APP+LED, LCD (Optional)				
Communication Interface	RS485/Wi-Fi/4G/LAN				
Certification					
Safety	IEC 62109-1, IEC 62109-2				
Grid Code	IEC 61727/62116, IEC 60068, IEC 61683, VDE 4105, PORTARIA n°140, PORTARIA n°515				
Warranty	10 Years				

Remarks: (1)(2) The range of output voltage and frequency may vary depending on different grid codes.
• Specifications are subject to change without advanced notice.

E

Massima Efficienza

- Efficienza massima fino al 98.2%
- Ampio range di tensione e corrente stringa,
- compatibile con vari moduli FV e reti

S

Smart & Intelligente

- Monitoraggio consumi in tempo reale
- Configurazione e upgrade da remoto
- Commissioning rapido con app mobile

R

Affidabilità & Sicurezza

- Protezione IP66 per installazione esterna
- Protezioni integrate multiple
- Funzione AFCI 2.0 opzionale

C

Connettività Avanzata

- Comunicazione RS485 / Wi-Fi / 4G / LAN
- Display wireless & APP + LED
- Monitoraggio intelligente stringa