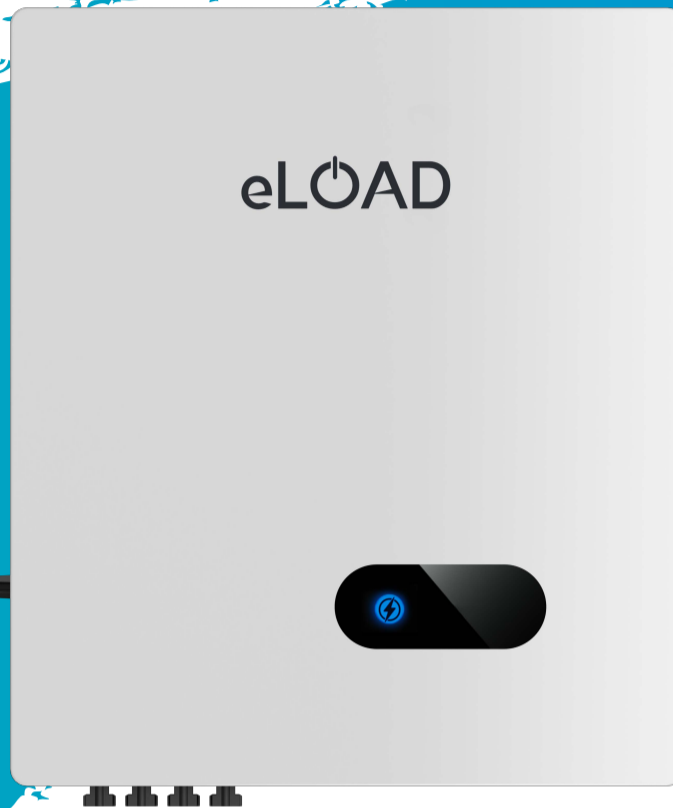


THREE PHASE & DUAL MPPT



SUPERIOR EFFICIENCY

- Maximum efficiency 98.3%
- Max String Current 20A, compatible with 600W+ modules
- 150% PV configuration, 110% output overload



HIGH RELIABILITY

- Die-cast aluminum case, IP66 waterproof and dustproof, C5 anti-corrosion
- DC/AC SPD, AFCI detection optional
- Compatible with wide power grid voltage and high harmonic power grid environment



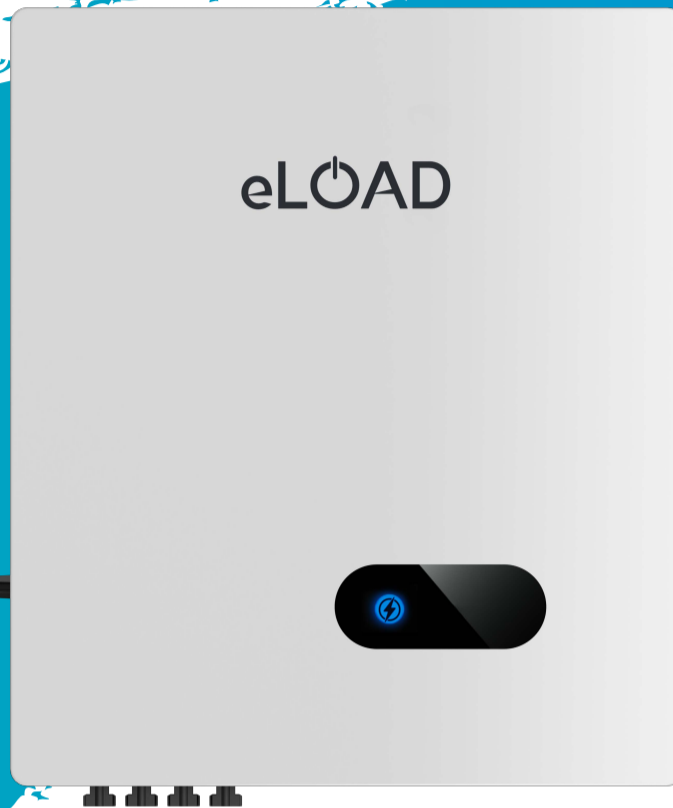
INTELLIGENT MAINTENANCE

- App quick commissioning
- Remote configuration and upgrade
- Supports export control

Model	5kW	6kW	8kW	10kW	12kW	15kW
Max. Efficiency	98.2%	98.2%	98.2%	98.2%	98.3%	98.3%
European Efficiency	97.8%	97.8%	97.8%	97.8%	97.8%	97.8%
Input (PV)						
Max. Input Voltage	1100V					
Max. PV configuration	150%					
Rated Input Voltage	620V					
Max. Input Current	2*15A			2*15A+15A		
Max.Short Circuit Current	2*20A			2*20A+20A		
Start Input Voltage	180V					
MPPT Operating Voltage Range	160V-1000V					
Max. Number of PV Strings	2 (1/1)			3 (2/1)		
No. of MPPTs	2					
Output (Grid)						
Rated AC Active Power	5000W	6,000W	8,000W	10,000W	12,000W	15,000W
Max. AC Apparent Power	5500VA	6,600VA	8,800VA	11,000VA	13,200VA	16,500VA
Max. AC Active Power (PF=1)	5500W	6,600W	8,800W	11,000W	13,200W	16,500W
Max. AC Output Current	3*8.4A	3*10.1A	3*13.4A	3*16.8A	3*20.2A	3*25.3A
Rated AC Voltage	380V / 400V / 415V, 3W+N+PE					
AC Voltage Range ①	260V-510V (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 Leading - 0.8Lagging)					
Protection						
DC switch	Support					
Anti-islanding protection	Support					
AC overcurrent protection	Support					
AC short circuit protection	Support					
DC reverse connection	Support					
Surge Arrester	AC Type III (Type II optional) / DC Type III (Type II optional)					
Insulation detection	Support					
String current detection	Support					
Leakage current protection	Support					
General						
Topology	Transformerless					
IP Rating	IP66					
Night Self Consumption	<1W					
Cooling	Natural cooling					
Operating Temperature Range	-25°C-60°C					
Relative Humidity Range	0-100%					
Max. Operating Altitude	4000m					
Noise	<30dB					
Dimensions (W*H*D)	398mm*460mm*190mm					
Weight	23Kg					
HMI & COM						
Display	Wireless & APP +LED, LCD (Optional)					
Communication	RS485, WiFi / GPRS / 4G (Optional)					
Certification						
Safety	IEC62109-1, IEC62109-2					
Grid Code	VDE-AR-N 4105, EN 50549-1, CEI 0-21, UNE 206006/206007-1, UNE 217001, IEC 61727/62116					
Warranty	5 Years					

- Remarks:**
- 1 2 The range of output voltage and frequency may vary depending upon different grid codes.
 - Specifications are subject to change without advance notice.

THREE PHASE & DUAL MPPT



SUPERIOR EFFICIENCY

- Maximum efficiency 98.3%
- Max String Current 20A, compatible with 600W+ modules
- 150% PV configuration, 110% output overload



HIGH RELIABILITY

- Die-cast aluminum case, IP66 waterproof and dustproof, C5 anti-corrosion
- DC/AC SPD, AFCI detection optional
- Compatible with wide power grid voltage and high harmonic power grid environment



INTELLIGENT MAINTENANCE

- App quick commissioning
- Remote configuration and upgrade
- Supports export control

Model	10kW	12kW	15kW	17kW	20kW	22kW	25kW
Efficiency							
Max. Efficiency	98.3%	98.3%	98.4%	98.4%	98.4%	98.4%	98.4%
European Efficiency	97.8%	97.8%	98.0%	98.0%	98.0%	98.0%	98.0%
Input (PV)							
Max. Input Voltage	1100V						
Max. PV configuration	150%						
Rated Input Voltage	620V						
Max. Input Current	30A+15A						2*30A
Max.Short Circuit Current	40A+20A						2*40A
Start Input Voltage	180V						
MPPT Operating Voltage Range	160V-1000V						
Max. Number of PV Strings	3 (2/1)						4 (2/2)
No. of MPPTs	2						
Output (Grid)							
Rated AC Active Power	10,000W	12,000W	15,000W	17,000W	20,000W	22,000W	25,000W
Max. AC Apparent Power	11,000VA	13,200VA	16,500VA	18,700VA	22,000VA	24,200VA	25,000VA
Max. AC Active Power (PF=1)	11,000W	13,200W	16,500W	18,700W	22,000W	24,200W	25,000W
Max. AC Output Current	3*16.8A	3*20.2A	3*25.3A	3*28.6A	3*33.7A	3*37A	3*39.8A
Rated AC Voltage	380V / 400V / 415V, 3W+N+PE						
AC Voltage Range ^①	260V-510V (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 Leading - 0.8Lagging)						
Protection							
DC switch	Support						
Anti-islanding protection	Support						
AC overcurrent protection	Support						
AC short circuit protection	Support						
DC reverse connection	Support						
Surge Arrester	AC Type III (Type II optional) / DC Type III (Type II optional)						
Insulation detection	Support						
String current detection	Optional						
Leakage current protection	Support						
General							
Topology	Transformerless						
IP Rating	IP66						
Night Self Consumption	<1W						
Cooling	Natural cooling			Fan cooling			
Operating Temperature Range	-25°C-60°C						
Relative Humidity Range	0-100%						
Max. Operating Altitude	4000m						
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Weight	23Kg						
HMI & COM							
Display	Wireless & APP +LED, LCD (Optional)						
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