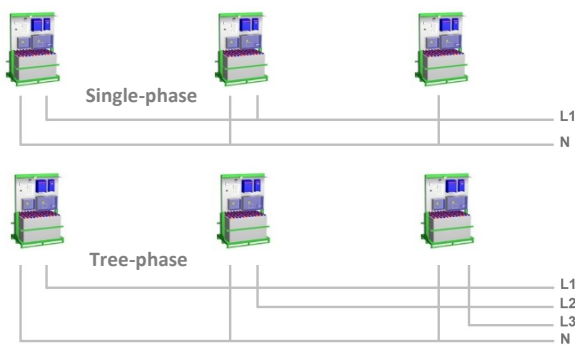


SCALABLE



Plug and play: Installation by 2-3 people in a few hours



Factory-configured and tested

APPLICATIONS

- Lighting for public areas and roads
- Minigrids for villages and neighborhoods
- Water treatment and drinking water systems
- Small and medium size industries
- Hotels, campsites, ecotourism centers
- Health centers and schools
- Telecommunication antennas



TECHNICAL SPECIFICATIONS

COMPACT	MG1M	MG2M	MG3M	MG5M	MG6M	MG9M	MG10M	MG15M	MG6T	MG9T	MG15T	
General characteristics												
Dimensions solar array LxW (cm)	340x200	500x300	500x400	665x500	1000x400	1500x400	1330x500	1995x500	1500x300	1500x400	1995x500	
Dimensions LxWxH (cm)	94x45x190	94x45x190	140x97x223	140x97x223	280x97x223	420x97x223	280x97x223	420x97x223	282x45x190	420x97x223	420x97x223	
Approximate weight (kg) (solar modules included)	712	960	1496	2061	2992	4489	4122	6183	2992	4489	6183	
IP protection rating	IP21											
Optimal temperature range (°C)	+15 - +30											
Temperature range (°C)	-20 - +45											
Alternative current inputs	1											
Consumption outputs	2											
Alternative current transfer relay	YES											
3G Communication	Yes (SIM Card not included)											
PV input electrical characteristics												
Maximum PV Power (kWp)	1	2	3	5	6	9	10	15	6	9	15	
Number of PV modules (250Wp)	4	8	12	20	24	36	40	60	24	36	60	
Energy storage characteristics												
Total capacity / (Available Energy with DoD 60%) @ 20°C in C1 (Wh)	2750 / 1650	5500 / 3300	8880 / 5330	15410 / 9240	17760 / 10660	26640 / 15980	30820 / 18490	46220 / 27730	16490 / 9890	26640 / 15980	46220 / 27730	
Total capacity / (Available Energy with DoD 60%) @ 20°C in C5 (Wh)	4100 / 2460	8200 / 4920	13920 / 8350	22990 / 13800	27840 / 16700	41760 / 25060	45980 / 27590	68980 / 41390	24620 / 14770	41760 / 25060	68980 / 41390	
Total capacity / (Available Energy with DoD 60%) @ 20°C in C10 (Wh)	4560 / 2740	9120 / 5470	15650 / 9390	25540 / 15320	31300 / 18780	46940 / 28170	51070 / 30640	76610 / 45960	27360 / 16420	46940 / 28170	76610 / 45960	
Charge/Discharge Cycles @ DoD 60%, 20°C/30°C (estimated by the manufacturer)	3000 / 1500											
Alternative Current input characteristics												
Alternative Current input type	Genset / grid/ others											
Voltage Range (V)	180 - 265 (Adjustable by software)								315 - 460 (Adjustable by software)			
Connection type	Phase + Neutral								3 Phases + Neutral			
Maximum Current (A)	16	16	50	50	100	150	100	150	48	150	150	
Frequency Range (Hz)	45-65											
Consumption outputs electrical characteristics												
Continuous AC max power @ 25°C (VA)	500	800	2000	3500	4000	6000	7000	10500	2400	6000	10500	
30 min AC power @ 25°C (VA)	700	1200	2600	4000	5200	7800	8000	12000	3600	7800	12000	
5 sec AC max power @ 25°C (VA)	2300	2500	6500	10500	13000	19500	21000	31500	7500	19500	31500	
Nominal Voltage (V)	230 ± 2%								400 ± 2%			
Connection type	Phase + Neutral								3 Phases + Neutral			
Frequency (Hz)	50 ± 0,05% (Adjustable by software)											

INTERNATIONAL STANDARDS

Directive EMC 2004/108/CE : EN 61000-6-1, EN 61000-6-3, EN 55014, EN 55022, EN 61000-3-2, 62040-2

Low Voltage Directive : 2006/95/CE : EN 50178, EN 62040-1, EN 60950-1, EN62109-1

Solar modules IEC 61215, IEC 61730

Batteries IEC 61427, IEC 60896-21/22, EN 50272-2

The Data may change without notice