



INVERTER
 ESS
 SMART HOME
 ELECTRONICS

Gvines Series MPPT Solar charge controllers

- Can be connected to both PV 、 battery and load
- Natural cooling, absolutely quiet
- MPPT with up to 99.9% efficiency
- Supports TTL RS485 and CAN (RV-C protocol)



APPLICATION SCENARIO

| Model | GV 100-20 | GV 150-30 | GV 200-60 |
|--|----------------------------------|---|---|
| System voltage | 12V/24VAuto | 12V/24V/36V/48V Auto | 12V/24V/36V/48V Auto |
| Load loss | 0.7 W-1.2W | 0.7 W - 1.2W | 12V/≤50mA;24V/≤25mA;36V/≤17mA;48V/≤13mA |
| Battery voltage | 9V-35V | 9V-70V | 9V - 65V |
| Solar maximum input voltage | 100V(25°C) 90V(-25°C) | <150V | 200V |
| Maximum power point voltage range | (Battery voltage +2V) ~ 75V | (Battery voltage +2V) ~ 120V | (Battery voltage +2V) ~ 130V |
| Rated charging current | 20A | 30A | 60A |
| Rated load current | 20A | 20A | 25A |
| Maximum capacitive load capacity | 10000uF | 10000uF | 10000uF |
| Maximum input power of photovoltaic system | 260W/12V; 520W/24V | 400W/12V; 800W/24V; 1200W/36V ; 1600W/48V | 850W/12V ; 1680W/24V; 2500W/36V ; 3400W/48V |
| Conversion efficiency | ≤98% | ≤98% | ≤98% |
| MPPT tracking efficiency | >99% | >99% | >99% |
| Temperature compensation coefficient | -3mv/°C/2V(default value) | -3mv/°C/2V(default value) | -3mv/°C/2V(default value) |
| Operating temperature | -35 C ~+45 C | -35 C ~+45 C | -35 C ~+45 C |
| Waterproof level | IP20 | IP20 | IP20 |
| Weight | 1.4Kg | 2.3Kg | 5.6kg |
| Way of communication | RS232 / RS485 / Bluetooth / WIFI | RS232 / RS485 / Bluetooth / WIFI | RS232 / RS485 / Bluetooth / WIFI |
| Altitude | ≤ 3000m | ≤ 3000m | ≤ 3000m |
| Product Size | 210*151*59.5mm | 226*182*81mm | 285*205*93mm |

APPLICATION



High-end villa



Communication base station



Nomadic farm



Enterprise electricity

