



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)

Hello Ktech



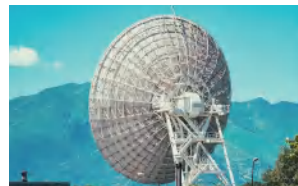
### APPLICATION SCENARIO

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



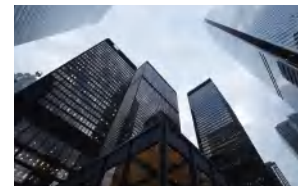
High-end villa



Communication base station



Nomadic farm



Enterprise electricity

