

ได้รับมาตรฐาน MEA การไฟฟ้านครหลวง ผ่านศูนย์ทดสอบ CSSC ม.เทคโนโลยีจากพระจอมเกล้า (มจร)



PVG Series

20kW

Efficient and flexible

- Wide MPPT range 300~950V
- Peak efficiency up to 98.4%, transformerless
- 2 independent MPPT and 6 input strings
- Precise MPPT algorithm achieve 99.9%, more generation

Excellent Performance

- Power factor adjustable (0.8 overexcited ~ 0.8 underexcited)
- Grid-friendly with LVRT and accept grid dispatching
- IP65 for outdoor application
- Operating temperature range, -25~60°C

High Reliability

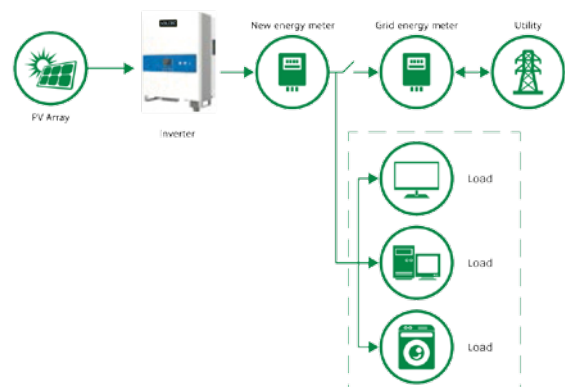
- Double working power double resource supply for redundant
- Best components ensure reliability and long life
- DC reverse connection & AC short circuit protection
- Sensitive current leakage protection
- DC & AC lightning protection

User Friendly

- 3.5-inch intelligent color LCD
- RS485/Wi-Fi/SNMP/USB for option, easy monitoring
- Plug and play connection unit
- Wall mounted, quick installation and easy maintenance

String Inverter

- High efficiency, up to 98.4%
- Easy monitoring
- Advanced design for reliability assurance



Technical Specification:

Items	PVG-20K
Input	
Max. PV Power (W)	22000 (11000/11000)
Max. PV Input Voltage (Vdc)	1000
Startup Voltage (Vdc)	290
MPPT Voltage Range (Vdc)	300~950
MPPT Voltage Range for Nominal Power (Vdc)	480~800
No. of MPPTs	2
Max. Number of PV Strings per MPPT	2
Max. PV Input Current (A)	2×23
MPPT Efficiency	99.90%
Output	
Nominal AC Output Power (W)	20000
Max. AC Output Current (A)	29
Nominal AC Voltage (Vac)	3/N/PE, 380/400
AC Voltage Range (Vac)	3/N/PE, 380/400
Nominal Grid Frequency (Hz)	50/60
THDi	<3% (nominal power)
DC Current Injection (mA)	<155
Power Factor	>0.99@default value at nominal power 0.8 leading ~ 0.8 lagging
System Data	
Max. Efficiency	98.40%
Max. European efficiency	98.00%
Standby consumption (W)	5
Night power consumption (W)	0
Display	3.5 -inch LCD color screen
Communication	RS485/USB/WIFI
DC connection type	MC4
AC connection type	Plug and play connector
Safety	EN62109-1, EN62109-2, IEC62109-1, IEC62109-2
EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4
Grid Standard	France: UTE C 15-712-1: 2013, DIN VDE 0126-1-1/A1: 2012/VFR-20, ERDF-NOI-RES_13E: 2013-06; China: NB/T32004-2013; UK: G59/3-2: 2015; Thailand: PEA, MEA
Dimensions (W×H×D) (mm)	510×265×630 (forced air cooling)
Weight (kg)	45kg (forced air cooling)
Mounting Method	Wall bracket
Protection	
Anti-islanding Protection	Yes
LVRT	Yes
DC Reverse Connection Protection	Yes
AC Short Circuit Protection	Yes
Leakage Current Protection	Yes
DC Switch	Yes (option)
DC Fuse	Yes
Overcurrent Protection	Yes
PV Fault Detect	Yes (option)
DC Lightning Protection	Yes
AC Lightning Protection	Yes
Over Temperature Alarm/Protection	Yes

• Specifications are subject to change without prior notice.