



CoreTECH

ProGEN

PV2200 / 1.6kW

This compact solar inverter is designed to power your home appliances.
It can convert solar power to battery power and provide continuous power to connected equipment during night time.



MODEL		PROGEN 1.6KW PV 2200
MAXIMUM PV INPUT POWER		2200W
RATED OUTPUT POWER		1600W
INPUT		
Input Sources		L+N+PE
Rated Input Voltage		220/230/240VAC
Voltage Range		90–280VAC±3V(APL Mode)170–280VAC±3V(UPS Mode)
Frequency		50Hz/60Hz(Auto Adaptive)
Rated Capacity		1600W
Output Voltage Range		220/230/240VAC±5%
Output Frequency		50/60Hz±0.1%
Waveform		Pure Sine Wave
Transfer Time (adjustable)		Computers(UPS Mode) 10ms ,Appliance(APL Mode)20ms
Peak Power		3200VA
EFFICIENCY (BATTERY MODE)		
Peak Efficiency		94%
BATTERY		
Battery Voltage		12VDC
Constant Charging Voltage(Adjustable)		14.1VDC
Float Charging Voltage(Adjustable)		13.5VDC
CHARGERS		
PV Charging Mode		MPPT
MAX.PV Input Power		2200W
MPPT Tracking Range		30~500VDC
Best Voltage		300~400VDC
MAX.PV Input Voltage		500VDC
MAX.PV Charging Current		100A
MAX.AC Charging Current		60A
MAX.Charging Current		100A
DISPLAY		
LCD Display		Display Running Mode/Loads/Input/Output etc.
INTERFACE		
RS232		Baud Rate2400
Communication Port		Lithium Battery BMS Communication Card WifiCard, Dry Contact
Parallel Connect Interface		Without Parallel Connect
ENVIRONMENTS		
Operating Temperature		-10~50°C
Humidity		20%~95%(Non-condensing)
Storage Temperature		-15~60°C
Altitude		Altitude Not Over 1000m,Derating over 1000m,Max 4000m, Refer to IEC62040
Noise		≤50db
Inprogress Protection		IP21
Product specifications are subject to change without further notice.		