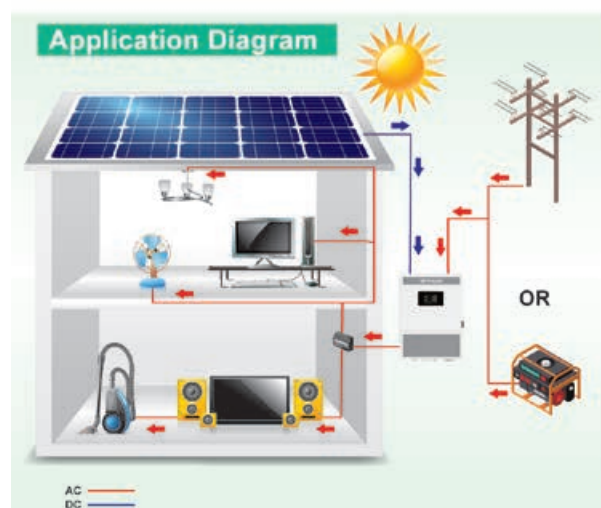


SP IP Grid HV ECO Series



Features

- IP65 Protection degree
- Support storing energy from diesel generator
- Dual outputs for smart load management
- Configurable AC/PV output usage time and prioritization
- Colorful Touch screen
- Without Battery Operation
- Communication port(CAN or RS485) for BMS
- Built-in Wi-Fi for mobile monitoring
- Parallel operation up to 6 units
- Built-in anti-dust kit



Specifications

MODEL	SP6000 IP Grid HV ECO
RATED POWER	6000VA/6000W
Maximum Charging Capacity	6000W
PV INPUT (DC)	
Maximum DC Power	9600 W
Nominal DC Voltage	300 VDC
Maximum DC Voltage	500 VDC
Start-up Voltage / Initial Feeding Voltage	110 VDC / 160 VDC
MPP Voltage Range	120 VDC ~ 450 VDC
Maximum Input Current	2×16 A
Isc PV (absolute maximum)	20A
Max. inverter back feed current to the array	0 A
GRID OUTPUT (AC)	
Nominal Output Voltage	220 / 230 / 240 VAC
Output Voltage Regulation	230Vac±5%
Output Frequency Range	45-60Hz
Nominal Output Current	28.7 A
Surge Rating	200% Load for 5 sec.
THDI	≤ 5%
AC INPUT	
AC Start-up Voltage	60 VAC
Auto Restart Voltage	180 VAC
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC
Nominal Frequency	50 Hz / 60 Hz
Maximum AC Input Current	35 A
Inrush Input Current	40 A / 1ms
Maximum Conversion Efficiency DC to AC	95%
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	220 / 230 / 240 VAC
Output Frequency	50 Hz / 60 Hz (auto sensing)
Output Waveform	Pure sine wave
Maximum Discharging Current	135A
Harmonic Distortion	≤ 3% THD (Linear Load); ≤ 5% THD (Non-linear Load)
Maximum Efficiency (DC to AC)	93%
BATTERY & CHARGER	
Nominal DC Voltage	48 VDC
DC Voltage Range	42 - 60 VDC
Maximum AC Charging Current	135 A
Maximum PV Charging Current	120 A
PHYSICAL	
Dimension, D × W × H (mm)	576 × 440 × 238
Net Weight (kgs)	25.5
INTERACE	
Communication Port	RS-232 / USB / BMS / Wi-Fi
Optional	SNMP & Modbus
ENVIRONMENT	
Ingress Protection Rating	IP65
Humidity	0 ~ 95% RH (No condensing)
Operating Temperature	-25 to 50°C
Altitude	0 ~ 2000 m*

* Power derating 1% every 100m when altitude is higher than 1000m.
Specifications are subject to change without notice.