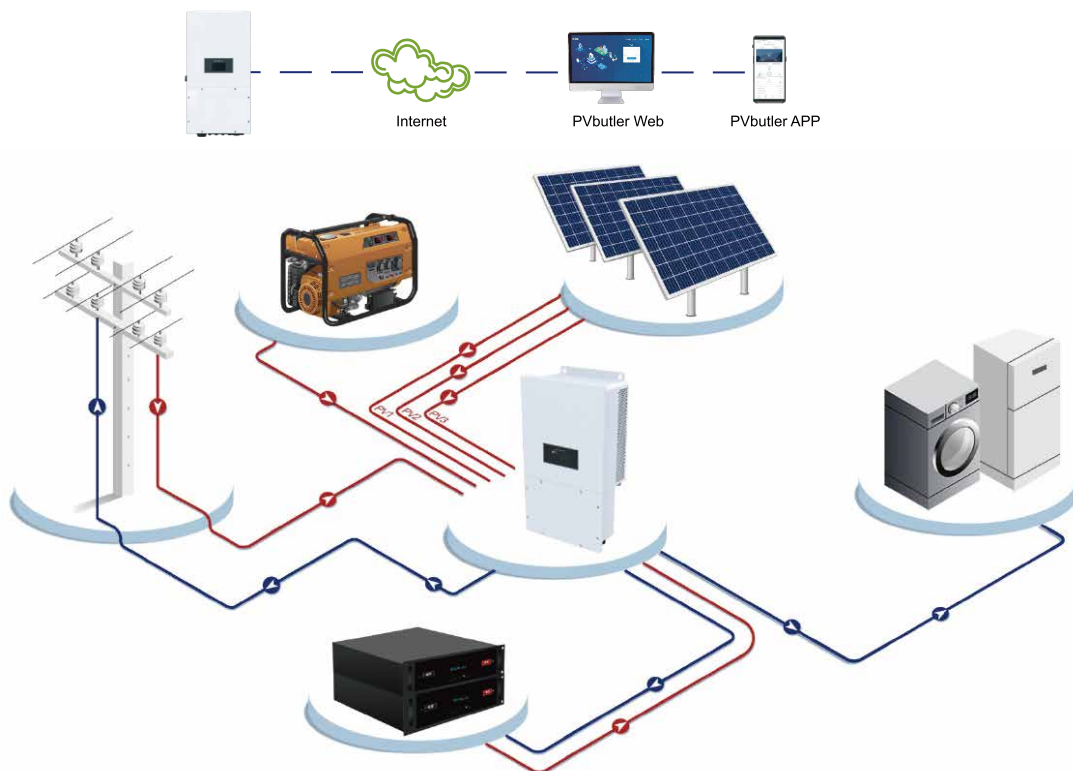


Split Phase · Low Voltage Hybrid Inverter 10kW

- ▶ Max. 6 units in parallel in both on/off-grid modes
- ▶ UPS function, 10ms transition
- ▶ 1.5 DC/AC ratio with 3 MPPT
- ▶ Up to 200A charging/discharging current
- ▶ Support DC-coupled, AC-coupled, AC-retrofit applications
- ▶ Type II Surge protection for DC and AC sides
- ▶ Support storing energy from diesel generator
- ▶ Support both single phase and split phase application



Model

Sunteny S10000H-48SP

Input Data (DC)

Max. recommended PV power (for module STC)	15000W
Max. DC voltage	525V
Start voltage	150V
MPPT voltage range	150V~450V/370V
No. of MPP trackers	3
No. of PV strings per MPP tracker	2
Max. input current per MPP tracker	22A
Max. short-circuit current per MPP tracker	27A

Output Data(AC)

AC nominal power	10000W
Max. AC apparent power	10000VA
Nominal AC voltage (range*)	230V, 120V/240V Split (180Vac ~ 280Vac)
AC grid frequency (range*)	50Hz/60Hz
Max. output current	50A
Adjustable power factor	0.8 leading... 0.8 lagging
THD	<3%
AC grid connection type	Single /Split phase

Battery Data (DC)

Battery voltage range	40~60V
Max charging and discharging current	200A
Continuous charging and discharging power	10000W
Type of battery	Lithium /Lead-acid

Backup Power(AC)

AC nominal output power	10000W
Nominal AC output voltage	230V, 120V/240V Split
Nominal AC output frequency	50/60Hz
Switch time	<10ms

Efficiency

Max. efficiency	98.10%
European efficiency	97.60%
MPPT efficiency	99.9%

Protection Devices

PV Switch	Yes
AC over current protection	Yes
AC over voltage protection	Yes
Ground fault monitoring	Yes
Grid monitoring	Yes
Anti-islanding protection	Yes
Residual-current monitoring unit	Yes
Insulation resistance monitoring	Yes
AFCI Protection	Yes
Surge protection	DC Type II / AC Type II

General Data

Dimensions (W / H / D)	830*440*255mm
Weight	36kg
Operating temperature range	-25°C ~ +60°C (-13~+140°F) with derating above 45°C /113°F
Noise emission (typical)	≤ 30 dB(A)
Self-Consumption <	< 60 W
Topology	transformer-base
Cooling	Smart cooling
Protection degree	IP65/NEMA 4
Relative humidity	0~100%
Altitude	2000m
DC connection	Quick Connector
Display	LCD
interface: RS485/CAN/USB	Yes
Mointor: RF / WiFi / GPRS	Opt
Warranty	5 Years