

Product Model	SGN11.4KHB-48
Input (PV)	
Max. PV Input Power	15,000W
Max. PV Voltage	600V
Start-up Voltage	90V
MPPT Operating Voltage Range	70V-540V
Max. Input Current per MPPT	30A/22A/22A
Nos. Of MPPT	3
Input /Output(BAT)	
Compatible Battery Type	Lithium-ion/Lead-acid
Battery Voltage Range	40V-64V
Max. Charge/Discharge Current	210A/210A
Max. Charge/Discharge Power	10,000W/10,000W
Output (Grid)	
Max. AC Output Power(PF=1)	11,400W
Nominal AC Output Current	41.7A
Max. AC Output Current	47.5A
Nominal Grid Voltage	120/240V(Split phase)/208V(2/3 phase)V AC
Nominal Grid Frequency	50/60 Hz
Power Factor	>0.99@rated power (Adjustable 0.8LD~0.8LG)
Output (Back up)	
Max. AC Output Power(PF=1)	11,400W
Nominal Output Current	41.7A
Peak Power	20,000VA
Nominal Output Voltage	120/240V(Split phase) / 208V(2/3 phase)V AC
Nominal Output Frequency	50Hz/60Hz
Transfer Time	<10ms (typical)
THDV	<3% @100% R Load
Protection	
Protection Category	Class I
AC Overcurrent Protection	Yes
DC/AC Overvoltage Protection	DC Type II, AC Type III
AC Short Circuit Protection	Yes
DC Reverse Protection	Yes
Surge Arrester	DC Type II , AC Type III
RSD	Yes
General	
Ingress Protection Degree	IP65/NEMA 3R
Operating Temperature Range	-25 ~60°C (>45°C derating)
Dimensions (W*H*D)	16.5*31.5*9.4 inch(420*800*240mm)
Weight	88lb/40Kg
HMI & COM	
Display	Wireless & APP + LED+ LCD(optional)
Communication interface	RS485/CAN(for BMS), DRM/RS485(for meter), RS485, Optional:Wi-Fi/LAN
Certification	
Compliance	UL 1741/CSA C22.2/UL 1699B,UL 1741SB, IEEE 1547:2018, HECO SRD 2.0 FCC Part 15 ClassB
Warranty	10 Years