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Solar



Systems

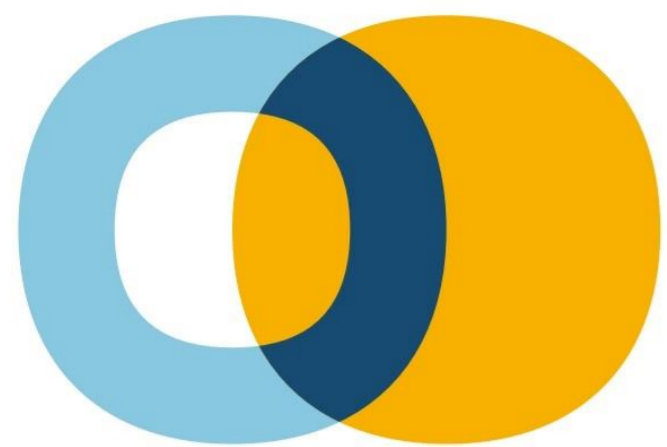


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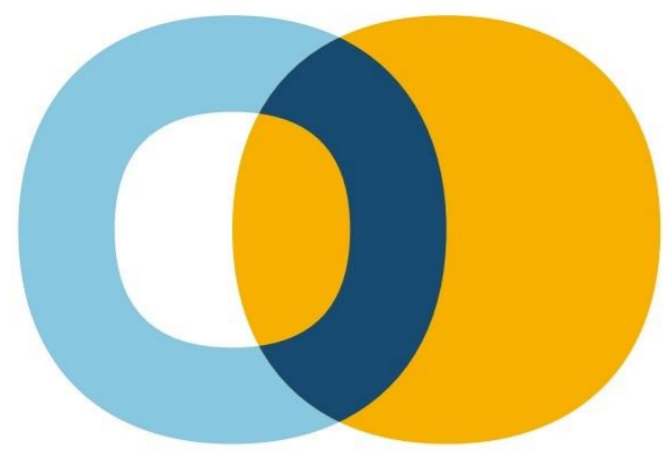
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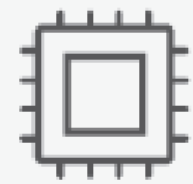
SINGLE PHASE OFF-GRID INVERTER



PV6000-48 P5.0



Built-in 80A
Solar Charger

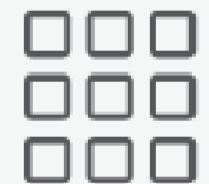


Wide PV Input Voltage
Range 120-500V



Workable with
Generator

DUAL
Dual AC
Output



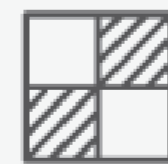
9 Inverters
in Parallel

BMS

Support Lithium/
Lead-acid Battery



Lithium Battery
Activation



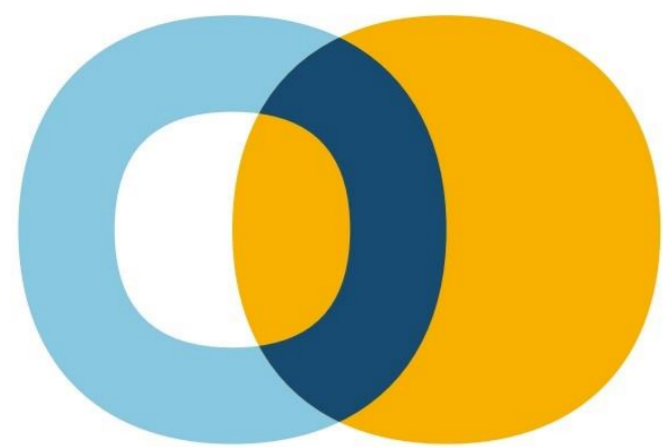
Detachable
Dust Cover



Feed-in
to Grid



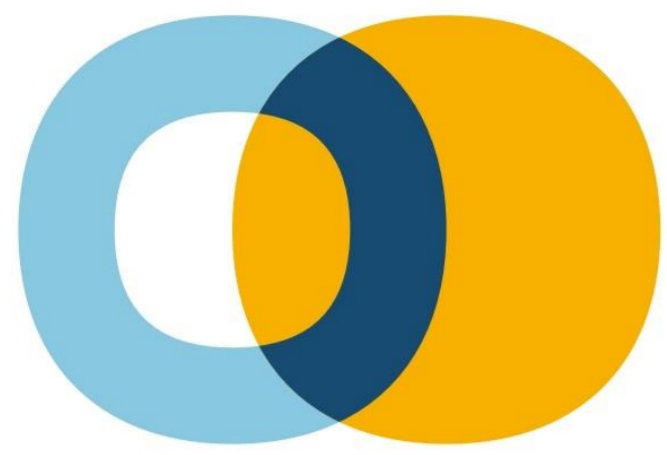
WiFi
Monitoring(optional)



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Model	PV6000-48 P5.0
AC Input	
Rated Input Voltage (VAC)	208 / 220 / 230 / 240; L + N + PE
Voltage Range (VAC)	90-280±3 (normal mode); 170-280±3 (UPS mode)
Frequency (Hz)	50 / 60 (Auto Adaptive)
AC Output	
Rated Capacity (kW)	5
Surge Power (kVA)	10
Voltage (VAC)	208 / 220 / 230 / 240
Power Factor (PF)	1
Frequency	50 / 60 Hz ± 0.1 %
Switch Time (ms)	10 (normal mode) / 10 (UPS mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	60s@102 % ~ 110 % load; 10s@110 % ~ 130 % load; 3s@130 % ~ 150 % load; 0.2s@ > 150 % load
Max. Efficiency (Battery Mode)	93 %@48VDC
Parallel Quantity	9
Charger (PV / AC)	
Solar Charger Type	MPPT
Max PV Input Current / Input Power	18A / 6000 W
MPPT Range Operating Voltage (VDC)	120 ~ 450
Max PV Open Circuit Voltage (VDC)	500
Max PV Charge Current (A)	80
Max AC Charge Current (A)	80
Max. Charge Current (PV + AC) (A)	80
Battery	
Rated Voltage (VDC)	48
Floating Charge Voltage (VDC)	54
Overcharge Protection (VDC)	61
Battery Type	Lithium and Lead-acid
Interface	
HMI	LCD
Interface	RS485 / RS232 / USB / Dry Contact
Monitoring	WIFI (Optional)
General Data	
Ingress Protection	IP21
Operating Temperature	-10 °C ~ 50 °C
Relative Humidity	5 % ~ 95 % (non-condensing)
Storage Temperature	-15 °C ~ 60 °C
Net Weight (kg)	9.5
Dimensions (W*H*D)	510*306*115 mm (without bracket)
Max. Operating Altitude	4000 m (Derating above 1000 m)



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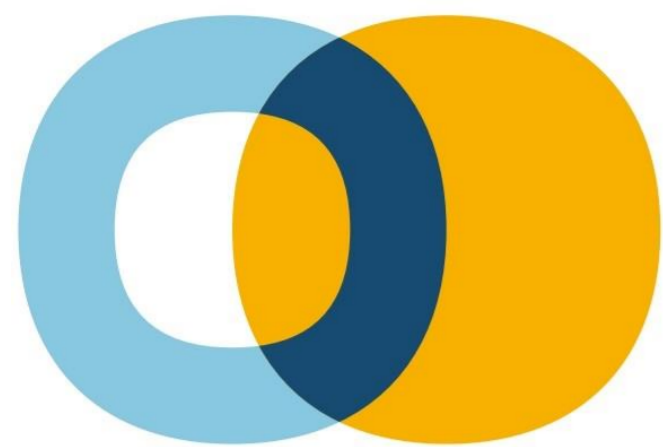


SINGLE PHASE HYBRID INVERTER



HN6KS-AH2 6 kW

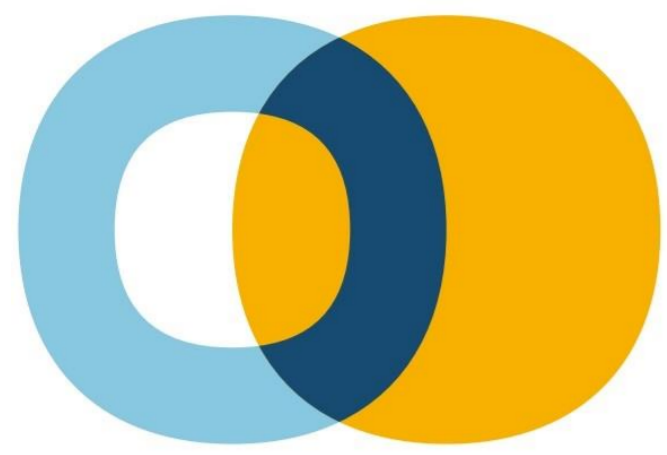
- Wide MPPT range
 - 2 MPPT trackers
- Type II SPD on DC/AC
- Max 3 inverters in parallel
- 19A MPPT input current per string
 - IP66 protection level
- Support generator and smart loads
 - Integrated and concise design



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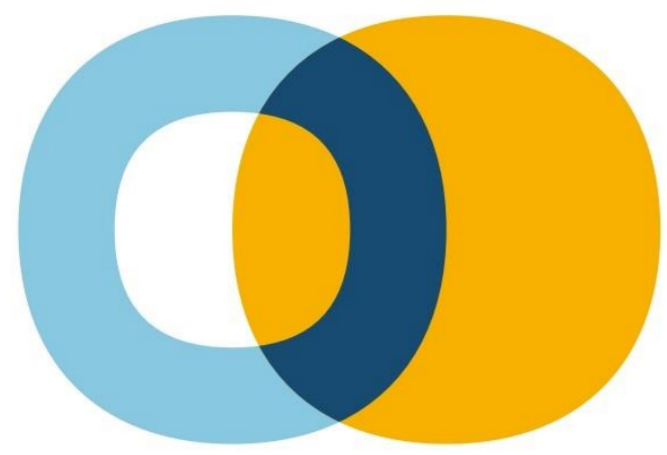
Model	HN6KS-AH2 6 kW
PV Input	
Max. PV Input Power(kW)	9
Full Power MPPT Voltage Range (VDC)	250 - 500 V
AC Output (On-Grid)	
Nominal Output Power to Grid (kW)	6
Max. Apparent Power to Grid (kVA)	6
Max. Apparent Power from Grid (kVA)	6
Max. Apparent Current from Grid (A)	26.1
Nominal Output Current from Grid (A)	26.1
Max. Output Current to Grid (A)	26.1
Nominal Voltage/Frequency	230 V (176 V ~ 280 V), 50 / 60 Hz, L+N+PE
Adjustable Power Factor	0.8 leading ~ 0.8 lagging
THDI	< 2 %
AC Output (Backup)	
Nominal Output Power (kW)	6
Max. Apparent Power (kVA)	6
Nominal Output Current (A)	26.1
Max. Output Current (A)	26.1
Nominal Voltage/Frequency	230 V (176 V ~ 238 V), 50 / 60 Hz, L+N+PE
Automatic Switch Time (ms)	< 20
THDu	< 2 %
Overload Capacity	110 %, 10s / 150 %, 5 s / 180 %, 1 s / 200 %, 100 ms
Efficiency	
Max. Efficiency	96.65 %
Europe Efficiency	97.50 %
MPPT Efficiency	99.00 %
Max. Battery Charge/Discharge Efficiency	94.60 %
Battery	
Battery Voltage Range (V)	40 - 60
Recommended Battery Voltage (V)	48
Max. Charging Voltage (V)	60
Max. Charging/Discharging Current (A)	120 / 120
Battery Type	Lithium and Lead Acid Battery
Protection	
DC Switch	Yes
DC Reverse Polarity Protection	Yes
DC/AC Surge Protection	Type II / Type II
AC Overvoltage Protection	Yes
AC Short-circuit Protection	Yes
Ground Fault Monitoring	Yes



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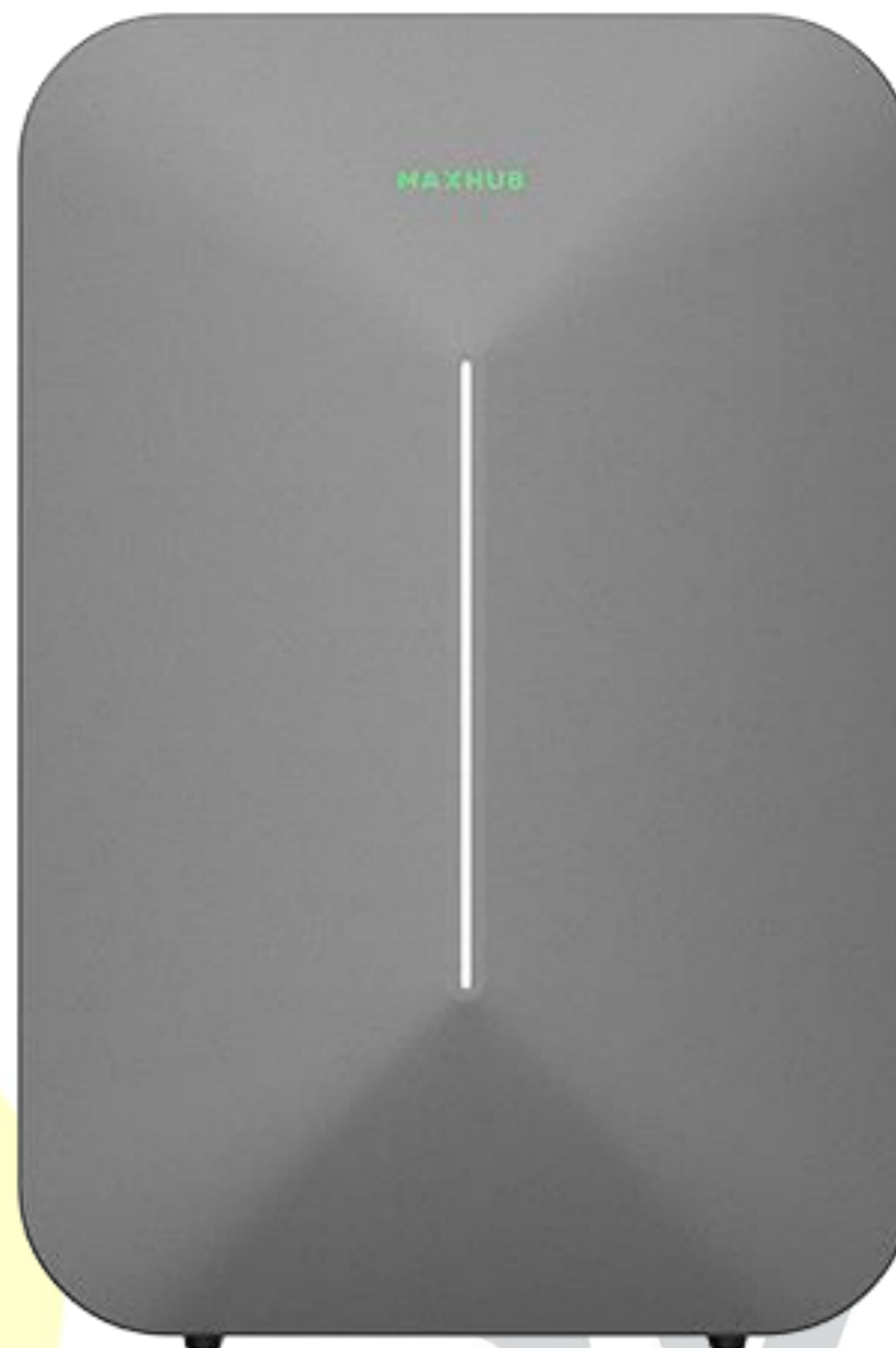
Model	HN6KS-AH2 6 kW
Anti-islanding Protection	Yes
Residual-current Monitoring	Yes
Insulation Resistance Monitoring	Yes
Peak/Valley Time Setting	Yes
General Data	
HMI	Touch LCD & APP
BMS	RS485; CAN
EMS/Meter	RS485
Communication	Wifi / LAN
Ingress Protection	IP66
Operating Temperature Range	- 25 - 60 °C
Relative Humidity	0 ~ 95 % (non-condensing)
Max. Operating Altitude	4000 m (Derating above 3000 m)
Cooling	Natural
Noise Emission	≤ 29 dB
Dimensions (W*H*D)	485*525*225 mm (without terminal and bracket)
Net Weight (kg)	24
Self-consumption (W)	< 15
Standard Compliance	
Safety Regulation	IEC/EN62109-1/-2
EMC	IEC/EN61000-6-1/-2/-3/-4
Grid Regulation	IEC61727; IEC62116; Europe: EN50549; Belgium: C10/11; Spain: UNE217002; Italy: CEI 021; South Africa: NRS 097



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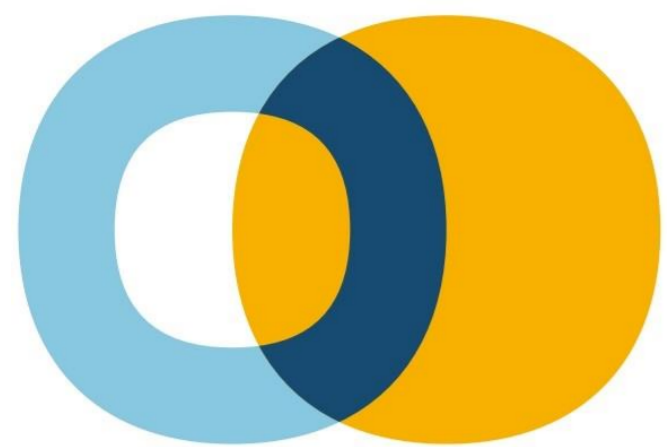


WALL-MOUNTED LFP BATTERY



GN512100B

- Protective and active BMS allows greater reliability and control
- Flexible in parallel connection, total capacity up to 8pcs - 40.96kWh
 - Compact wall-mounted design with IP65
 - Maximum 1C discharge capability



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Model	GN512100B
System Parameters	
Battery Capacity (kWh)	5.12
Battery Type	LFP (Lithium Iron Phosphate Battery)
Rated Capacity (Ah)	100
Rated Voltage (V)	51.2
Operating Voltage Range (V)	44.8 ~ 58.4
Charge Current (A)	60 (Recommended) / 90 (Max)
Discharge Current (A)	60 (Recommended) / 100 (Max)
Cycle Life	5000 cycle (20 °C ~ 25 °C, 60 A, 90 % DoD)
Communication	RS485 / CAN 2.0 / RS232
Modules Connection	1 - 8 parallel
Protection Function	Over voltage / Under voltage / Over temperature / Low temperature / Over current / Short circuit
Dimension (W*D*H)	440*202*660 mm
Weight(kg)	50 ± 1
Working Conditions	
Installation	Wall-mounted / On Ground
Operating Temperature	-20 °C ~ 55 °C
Storage Temperature	0 °C ~ 35 °C
Humidity	10 ~ 90 %
Enclosure Protection Degree	IP65
Altitude	< 4000 m
Certificate	CE, UN38.3