

# PrimePower Hybrid Inverter

MID-H4/5/6/8/10/12K-T

**98.2%**

High Efficiency

**15A**

High PV Input  
Current

**135V**

Lower start up  
Voltage

**10ms**

Backup switching

## ✓ Performance Features

- **Low start voltage** for longer energy generation and higher efficiency.
- **150% PV** over-dimensioning for optimal inverter utilization.
- Remote maintenance and software updates with **five flexible operating modes**.

## ✓ Maximum Safety

- **10 protective designs** ensure safer operation.
- **IP65** protection rating, suitable for indoor and outdoor use.
- Fast backup function (**10 ms**) during power outages.

## ✓ Delicate Design

- Starry gray design with exquisite workmanship.
- **25 dB** noise control for quieter operation.
- **OLED** screen design for quick viewing of operating status.
- **26kg** for easy transport and installation.



Contact us today



SCAN ME



Model		MID-H4K-T	MID-H5K-T	MID-H6K-T	MID-H8K-T	MID-H10K-T	MID-H12K-T
<b>PV Input</b>							
Recommended Max. input power	[kWp]	6.0	7.5	9.0	12.0	15.0	18.0
Start-up voltage	[V]	135	135	135	135	135	135
Max. DC input voltage*	[V]	1000*	1000*	1000*	1000*	1000*	1000*
Rated DC input voltage	[V]	620	620	620	620	620	620
MPPT voltage range*	[V]	120-950*	120-950*	120-950*	200-950*	200-950*	200-950*
No. of MPP trackers		2	2	2	2	2	2
No. of DC inputs per MPPT		1/1	1/1	1/1	1/1	1/1	1/1
Max. input current	[A]	15/15	15/15	15/15	15/15	15/15	15/15
Max. short-circuit current	[A]	20/20	20/20	20/20	20/20	20/20	20/20
<b>Battery Side</b>							
Battery type		Lithium Battery (with BMS)					
Battery voltage range	[V]	135-750					
Maximum charging/discharge current	[A]	25/25					
<b>Grid Side</b>							
Rated output power	[kW]	4.0	5.0	6.0	8.0	10.0	12.0
Max. output apparent power	[kVA]	4.4	5.5	6.6	8.8	11.0 1)	13.2
Max. input apparent power**	[kVA]	8.0	10.0	12.0	16.0	16.5	16.5
Max. charging power of battery	[kW]	4.0	5.0	6.0	8.0	8.0	12.0
Rated AC voltage		3L/N/PE; 220/380V;230/400V;240/415V					
Rated AC frequency	[Hz]	50/60	50/60	50/60	50/60	50/60	50/60
Max. output current	[A]	6.7	8.3	10.0	13.3	16.5 2)	20.0
Power factor		0.8 leading ...0.8 lagging					
Max. total harmonic distortion		<3% @Rated output power					
DCI		<0.5%In	<0.5%In	<0.5%In	<0.5%In	<0.5%In	<0.5%In
<b>Back-up Side</b>							
Rated output power	[kW]	4.0	5.0	6.0	8.0	10.0	12.0
Max. output apparent power	[kVA]	4.4	5.5	6.6	8.8	11.0	13.2
Max. output current	[A]	6.7	8.3	10.0	13.3	16.5	20.0
UPS switching time		<10ms	<10ms	<10ms	<10ms	<10ms	<10ms
Rated output voltage		3L/N/PE; 220/380V;230/400V;240/415V					
Rated output frequency	[Hz]	50/60	50/60	50/60	50/60	50/60	50/60
Voltage harmonic distortion		<3% @Linear load					
<b>Efficiency</b>							
Max. efficiency		98.1%	98.1%	98.1%	98.2%	98.2%	98.2%
European efficiency		97.3%	97.3%	97.3%	97.4%	97.4%	97.4%
<b>Protection</b>							
DC reverse polarity protection		Integrated					
Battery input reverse connection protection		Integrated					
Insulation resistance protection		Integrated					
Surge protection		Integrated					
Over-temperature protection		Integrated					
Residual current protection		Integrated					
Islanding protection		Integrated					
AC over-voltage protection		Integrated					
Overload protection		Integrated					
AC short-circuit protection		Integrated					
Over voltage category		PV: II Main: III					
<b>General Data</b>							
Dimensions	[W×H×D mm]	534×418×210					
Weight	[KG]	26.0					
Protection degree		IP65					
Standby self-consumption	[W]	<15					
Topology		Transformerless					
Operating Temperature Range	[°C]	-30~+60					
Relative Humidity	[%]	0~100					
Operating Altitude	[m]	3000 (>3000m derating)					
Cooling		Natural Convection					
Noise Level	[dB]	<25					
Display		OLED & LED					
Communication		CAN, RS485, WiFi/LAN (Optional)					
<b>Certificates(more available upon request)</b>							
IEC 61000 (CE EMC), IEC 62109 (CE LVD), EN IEC 62477-1 (CE LVD), EN 50549-1,VDE AR-N4105, VDE AR-N4110 , C10/11, TOR Erzeuger, IEC 62116							

\* For 1000 PV System, max. Input voltage is 950V without battery, 850V with battery, otherwise inverter will be on standby;

\*\* The maximum power drawn from the utility grid to meet the backup load requirements and charge the battery.