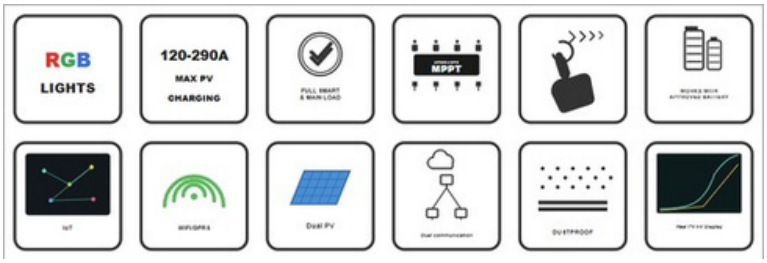
HL SERIES PURE SINE HYBRID INVERTER

THREEPHASESMART / LOWVOLTAGEINVERTER

MODELS:
HL 5K-15K

Features



Yüksek Performans

- %200 PV aşırı boyutlandırma ve %110'a kadar AC çıkışı
- 10sn boyunca %200 tepe EPS gücü
- Maks. 290A şarj / deşarj akımı
- Daha uzun çalışma için 160V düşük başlangıç voltajı

Garantili Güvenilirlik

- Batarya terminali sıcaklık algılama
- IP65 koruma derecesi
- AC ve DC tarafında Tip II Tip II SPD
- İsteğe bağlı AFCI

Akıllı Yönetim

- Akıllı yük yönetimi
- Tek ünite UPS seviyesinde geçiş süresi < 6ms

Esnek Uyarlanabilirlik

- Şebekeye bağlı ve şebekeden bağımsız sistemler için maks. 10 ad
- Yüksek güçlü güneş panelleri için optimize edilmiş, dize başına maks. 30A giriş

Model	HI-3P5K-LV	HI-3P6K-LV	HI-3P8K-LV	HI-3P10K-LV	HI-3P12K-LV	HI-3P15K-LV ①
PV Input						
Max. PV Access Power	10000 W	12000 W	16000 W	20000 W	24000 W	30000 W
Max. PV Input power	8000 W	9600 W	12800 W	16000 W	19200 W	24000 W
Max. input voltage	800 V					
Rated voltage	550 V					
Start-up voltage	160 V					
MPPT voltage range	200 - 700 V					
Max. input current	17 A + 17 A				30 A + 30 A	
Max. short circuit current	20 A + 20 A				36 A + 36 A	
Number of MPPT Trackers	2					
Number of Strings per MPPT	1 + 1				2 + 2	
AC Input / Output						
Rated AC Input/output Active Power	5000 W	6000 W	8000 W	10000 W	12000 W	15000 W
Max. AC Input/output Apparent Power	5500 VA	6600 VA	8800 VA	11000 VA	13200 VA	16500 VA
Rated AC Input Current	7.6 A	9.1 A	12.1 A	15.2 A	18.2 A	22.8 A
Rated AC Output Current	7.2 A	8.7 A	11.6 A	14.5 A	17.4 A	21.8 A
Max. AC Input Current	8.4 A	10 A	13.4 A	16.7 A	20 A	25 A
Max. AC Output Current	8 A	9.6 A	12.8 A	15.9 A	19.2 A	24 A
Max. Continuous AC Passthrough	30 A (grid to load)				50 A (grid to load)	
Peak Power (off-grid) 10s	10000 W	12000 W	16000 W	20000 W	24000 W	24000 W
Power Factor Range	0.8 leading to 0.8 lagging					
Rated AC voltage Range	220 / 380 V, 230 / 400 V, 0.85 Un - 1.1 Un					
Rated Grid Frequency	50 Hz / 45 Hz ~ 55 Hz, 60 Hz / 55 Hz ~ 65 Hz					
Grid Connection Form	3L + N + PE					
Switch Time	< 6 ms					
THDi	< 3% (of nominal power)					
DC Injection Current	< 0.5% In					
Battery						
Battery type	Lead-acid or Lithium-ion					
Voltage range	40 - 60 V					
Max. charge/discharge current	120 A	150 A	200 A	220 A	250 A	290 A
Charging Strategy for Lead-Acid battery	3 stages curve					
Charging Strategy for Li-ion Battery	Self-adaption to BMS					
Communication	CAN, RS485					
Efficiency						
Max. Efficiency	97.60%					
Euro Efficiency	96.50%					
MPPT Efficiency	> 99%					
Interface						
Communication Interface	RS485 / RS232 / CAN					
Monitor Mode	WIFI					
General Data						
Operating Temperature	-25 ℃~ +60 ℃ (≥45 ℃ derating)					
Permissible Ambient Humidity	5 ~ 95% (Non-condensing)					
Permissible Altitude	< 3000 m					
Noise	≤ 55 dB					
Ingress Protection(IP) Rating	IP65					
Inverter Topology	Non-isolated					
Over Voltage Category	OVC II (DC), OVC III (AC)					
Surge	TYPE II (DC), TYPE II (AC)					
Cabinet Size (W × H × D)	422 × 658 × 254 mm (Excluding Connectors and Brackets)					
Weight	≤ 45 kg					
Type of Cooling	Intelligent Air Cooling					
Warranty	5 Years					
Grid Regulation	IEC61727, IEC62116, EN50549-1/-10					
Safety Standard	EN 62109-1, EN 62109-2, EMC, IEC / EN 61000-3/-6					
EMC Standard	IEC / EN 61000-6-1/2					

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