

Inverter Ibrido

Trifase: HP3-5K/6K/8K/10K/12K D2, HP3-15K/20K/25K/30K T2

HP3-5K/6K/8K/10K/12K/15K L2

HP3-15K/20K/25K/30K/36K H2

Come elemento centrale della soluzione di accumulo energetico, l'inverter ibrido trifase LIVOLTEK fornisce soluzioni flessibili e scalabili per applicazioni residenziali e commerciali. Con la possibilità di espandere la capacità di accumulo delle batterie, l'inverter ad alta tensione offre un potente backup energetico e garantisce un elevato autoconsumo, grazie a un EMS integrato ottimizzato per ridurre i costi energetici.

Caratteristiche

■ Alte Prestazioni

Sovradimensionamento dell'ingresso DC del 200%
Sovraccarico del 200% per i carichi di backup
Commutazione senza interruzioni per la modalità di backup

■ Gestione Intelligente

Modalità di riduzione del picco di carico
Supporto per carichi a metà onda
Controllo remoto e aggiornamenti

■ Applicazione Flessibile

Supporta la funzione in parallelo
Uscita 100% sbilanciata
Compatibile con generatori

■ Sicuro e Affidabile

SPD AC e DC tipo II
Funzione AFCI opzionale
Comunicazione senza contatto, con un clic



Specifiche Tecniche

Model	HP3-5KD2	HP3-6KD2	HP3-8KD2	HP3-10KD2	HP3-12KD2	HP3-15KT2	HP3-20KT2	HP3-25KT2	HP3-30KT2
PV Input									
Max. PV Input Power	10000Wp	12000Wp	16000Wp	20000Wp	24000Wp	30000Wp	40000Wp	50000Wp	60000Wp
Max. PV Input Voltage	1000V								
Nominal Input Voltage	600V								
MPPT Voltage Range	150 V - 950 V								
No. of MPPTs/Strings per MPPT	2 / (1+1)			2 / (2+1)		3 / (2+2+1)		3 / (2+2+2)	
Max. PV Current	16A / 16A			32A / 16A		32A / 32A / 16A		32A / 32A / 32A	
Max. Short Circuit Current	20 / 20A			40A / 20A		40A / 40A / 20A		40A / 40A / 40A	
AC Output @Grid									
Nominal AC Output Power	5000W	6000W	8000W	10000W	12000W	15000W	20000W	25000W	30000W
Max. AC Input Power	10000W	12000W	16000W	20000W	20000W	30000W	40000W	40000W	40000W
Nominal AC Voltage	3W + N + PE, 380V, 400V, 415V								
AC Frequency	45 - 55Hz / 55 - 65Hz								
Max. Output Current	7.6A	9.1A	12.1A	15.2A	18.2A	22.8A	30.4A	37.9A	45.5A
THDi @Rated Power[%]	< 3%								
Power Factor	~1 (Adjustable from 0.8 Leading to 0.8 Lagging)								
EPS Output @Off Grid									
Nominal EPS Power	5000W	6000W	8000W	10000W	12000W	15000W	20000W	25000W	30000W
EPS Peak Power（10s）	12kW		18.6kW			35kW		39.3kW	
Nominal Output Voltage	3W + N + PE, 220 / 380V, 230 / 400V, 240 / 415V								
Nominal Frequency	50Hz / 60Hz								
Nominal Output Current	7.3A	8.7A	11.6A	14.5A	17.4A	21.8A	29.0A	36.3A	43.5A
THDv @Linear Power[%]	< 3%								
Battery Input									
Battery Type	Lithium								
Battery Voltage Range	100V - 700 V								
Max. Charge/Discharge Current	50A /50A								
Communication with BMS	CAN								
Efficiency									
Max. Efficiency	97.9%	97.9%	98.0%	98.0%	98.0%	98.1%	98.1%	98.2%	98.2%
Euro Efficiency	97.2%	97.3%	97.4%	97.5%	97.5%	97.7%	97.7%	97.8%	97.8%
General Data									
Dimension (W*H*D)	540*470*210 mm					595*485*235 mm			
Weight	26kg					38kg			
Cooling	Natural Convection					Intelligent Fan			
Protection Rating	IP65								
Mounting Method	Wall-mounted								
Operating Temperature Range	-25 ℃ to +60 ℃								
Display	LED & APP								
Communication	Wi-Fi / DO / DI / RS485								
Protection Function	Islanding Protection, PV DC Reverse Polarity Protection, DC Short Circuit Protection Device, AC Short Circuit Protection Device, PV DC Overcurrent Protection, AC Overcurrent Protection, Leakage Current Protection, Over/Under Frequency Protection, Over/Under Voltage Protection, Insulation Resistance Protection, Over-Temperature Protection, AC Current Imbalance Protection, Arc Detection Protection, Buzzer Warning								

La gamma di tensione e frequenza di uscita può variare a seconda dei diversi codici di rete.

Specifiche Tecniche

Model	HP3-5KL2	HP3-6KL2	HP3-8KL2	HP3-10KL2	HP3-12KL2	HP3-15KL2
PV Input						
Max. PV Input Power	10000Wp	12000Wp	16000Wp	20000Wp	24000Wp	30000Wp
Max. PV Input Voltage	1000V					
Nominal Input Voltage	380V					
MPPT Voltage Range	150 V - 950 V					
No. of MPPTs/Strings per MPPT	2 / (1+1)		3 / (2+2+1)		3 / (2+2+2)	
Max.PV Current	32A/ 16A		32A/ 32A/ 16A		32A/ 32A/ 32A	
Max. Short Circuit Current	40A/ 20A		40A/ 40A/ 20A		40A/ 40A/ 40A	
AC Output @Grid						
Nominal AC Output Power	5000W	6000W	8000W	10000W	12000W	15000W
Max. AC Input Power	10000W	12000W	16000W	20000W	23000W	23000W
Nominal AC Voltage	3W + N + PE, 127 / 220V, 133 / 230V					
AC Frequency	50 Hz / 60 Hz					
Max. Output Current	13.2A	15.8A	21.0A	26.3A	31.5A	39.4A
THDi @Rated Power[%]	< 3%					
Power Factor	~1 (Adjustable from 0.8 Leading to 0.8 Lagging)					
EPS Output @Off Grid						
Nominal EPS Power	5000W	6000W	8000W	10000W	12000W	15000W
EPS Peak Power（10s）	10.7kW		20.0kW		22.7kW	
Nominal Output Voltage	3W + N + PE, 127 / 220V, 133 / 230V					
Nominal Frequency	50Hz / 60Hz					
Nominal Output Current	12.6A	15.1A	20.1A	25.2A	30.2A	37.7A
THDv @Linear Power[%]	< 3%					
Battery Input						
Battery Type	Lithium					
Battery Voltage Range	100V - 700 V					
Max. Charge/Discharge Current	50A / 50A					
Communication with BMS	CAN					
Efficiency						
Max. Efficiency	98.1%	98.1%	98.1%	98.2%	98.2%	98.2%
Euro Efficiency	97.7%	97.7%	97.7%	97.8%	97.8%	97.8%
General Data						
Dimension (W*H*D)	540*470*210 mm		595*485*235 mm			
Weight	26kg		38kg			
Cooling	Natural Convection		Intelligent Fan			
Protection Rating	IP65					
Mounting Method	Wall-mounted					
Operating Temperature Range	-25 °C to +60 °C					
Display	LED & APP					
Communication	Wi-Fi / DO / DI / RS485					
Protection Function	Islanding Protection, PV DC Reverse Polarity Protection, DC Short Circuit Protection Device, AC Short Circuit Protection Device, PV DC Overcurrent Protection, AC Overcurrent Protection, Leakage Current Protection, Over/Under Frequency Protection, Over/Under Voltage Protection, Insulation Resistance Protection, Over-Temperature Protection, AC Current Imbalance Protection, Arc Detection Protection, Buzzer Warning					

La gamma di tensione e frequenza di uscita può variare a seconda dei diversi codici di rete.

Specifiche Tecniche

Model	HP3-15KH2	HP3-20KH2	HP3-25KH2	HP3-30KH2	HP3-36KH2
PV Input					
Max. PV Input Power	30000Wp	40000Wp	50000Wp	60000Wp	60000Wp
Max. PV Input Voltage	1000V				
Nominal Input Voltage	720V				
MPPT Voltage Range	150 V - 950 V				
No. of MPPTs/Strings per MPPT	3 / (2+2+1)			3 / (2+2+2)	
Max. PV Current	32A / 32A / 16A			32A / 32A / 32A	
Max. Short Circuit Current	40A / 40A / 20A			40A / 40A / 40A	
AC Output @Grid					
Nominal AC Output Power	15000W	20000W	25000W	30000W	36000W
Max. AC Input Power	30000W	40000W	40000W	40000W	40000W
Nominal AC Voltage	3W + N + PE, 277 / 480V				
AC Frequency	50Hz / 60Hz				
Max. Output Current	18.1A	24.1A	30.1A	36.1A	43.4A
THDi @Rated Power[%]	< 3%				
Power Factor	~1 (Adjustable from 0.8 Leading to 0.8 Lagging)				
EPS Output @Off Grid					
Nominal EPS Power	15000W	20000W	25000W	30000W	36000W
EPS Peak Power（10s）	42kW			47.3kW	
Nominal Output Voltage	3W + N + PE, 277 / 480V				
Nominal Frequency	50Hz / 60Hz				
Nominal Output Current	18.1A	24.1A	30.1A	36.1A	43.4A
THDv @Linear Power[%]	< 3%				
Battery Input					
Battery Type	Lithium				
Battery Voltage Range	100V - 700 V				
Max. Charge/Discharge Current	50A / 50A				
Communication with BMS	CAN				
Efficiency					
Max. Efficiency	98.1%	98.1%	98.1%	98.2%	98.2%
Euro Efficiency	97.7%	97.7%	97.7%	97.8%	97.8%
General Data					
Dimension (W*H*D)	595*485*235 mm				
Weight	38kg				
Cooling	Intelligent Fan				
Protection Rating	IP65				
Mounting Method	Wall-mounted				
Operating Temperature Range	-25 °C to +60 °C				
Display	LED & APP				
Communication	Wi-Fi / DO / DI / RS485				
Protection Function	Islanding Protection, PV DC Reverse Polarity Protection, DC Short Circuit Protection Device, AC Short Circuit Protection Device, PV DC Overcurrent Protection, AC Overcurrent Protection, Leakage Current Protection, Over/Under Frequency Protection, Over/Under Voltage Protection, Insulation Resistance Protection, Over-Temperature Protection, AC Current Imbalance Protection, Arc Detection Protection, Buzzer Warning				

La gamma di tensione e frequenza di uscita può variare a seconda dei diversi codici di rete.