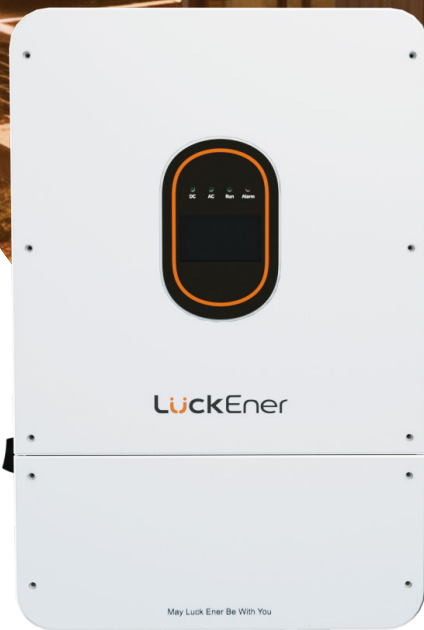


Hybrid Inverter

3-26kW

Ei.H003KL-026KL

Three-phase Hybrid Inverter (Low voltage)



* Product appearance may vary



High-efficiency



Safe & Stable



User-friendly

- Colorful touch screen with friendly and easy control
- Up to 3 MPPTs, compatible with the latest high-power PV modules.
- Maximum 3× AC bypass input and 1.5× backup output, ensuring reliable operation of more loads
- Three-phase unbalanced output, allowing flexible load configuration.
- Switching time <10 ms, providing seamless transition between on-grid and off-grid modes
- Up to 410A (dis)charging current, enabling faster charging and strong discharge capability

- AC coupling compatibility for flexible system expansion
- Flexible battery configuration, allowing users to choose the most suitable capacity for each application
- Export power control for precise grid-feeding to meet local regulations
- Up to 3 units parallel operation in off-grid mode, enabling scalable and reliable energy systems
- IP66 protection rating, ensuring dependable operation in harsh environmental conditions

Models	Ei.H003KL	Ei.H004KL	Ei.H005KL	Ei.H006KL	Ei.H008KL	Ei.H010KL	Ei.H012KL	Ei.H015KL	Ei.H016KL	Ei.H018KL	Ei.H020KL	Ei.H025KL	Ei.H026KL
	-A1.11-P3NV-L	-A1.11-P3NV-L	-A1.11-P3NV-L	-A1.22-P3NV-L	-A1.22-P3NV-L	-A1.33-P3NV-L	-A1.33-P4NV-L	-A1.33-P3NV-L	-A1.34-P3NV-L	-A1.34-P3NV-L	-A1.34-P3NV-L	-A1.34-P3NV-L	-A1.34-P3NV-L
PV input data													
Recommend max. PV capacity (W)	6,000	8,000	10,000	12,000	16,000	20,000	24,000	30,000	32,000	36,000	40,000	40,000	40,000
Max. PV input power (W)	4,800	6,400	8,000	9,600	12,800	16,000	19,200	24,000	25,600	28,800	30,000	30,000	30,000
Max. PV input voltage (V)	1000												
Rated voltage (V)	600												
Start voltage (V)	180												
MPPT voltage range (V)	150-850												
Max. PV input current (A)	20			20/20			20/20/20			40/20/20			
Max. short-circuit current per MPPT (A)	30			30/30			30/30/30			50/30/30			
MPPT number	1			2			3			3			
NO. of PV strings per MPPT	1			1+1			1+1+1			2+1+1			
Battery input data													
Battery type	Li-ion												
Battery voltage range (V)	40~60												
Max. charging current (A)	110	110	125	150	200	220	250	290	410				
Max. discharging current (A)	110	110	125	150	200	220	250	290	410				
AC output/input data(grid side)													
Rated output power (W)	3,000	4,000	5,000	6,000	8,000	10,000	12,000	15,000	16,000	18,000	20,000	25,000	26,000
Max output power (VA)	3,300	4,400	5,500	6,600	8,800	11,000	13,200	16,500	17,600	19,800	22,000	27,500	28,600
Rated output current (A)	4.5/4.3	6.1	7.6	9.1	12.1	15.2	18.2	22.7	24.2	27.3	30.3	37.9	39.4
Max output current (A)	5.0	6.7	8.3	10.0	13.3	16.7	20.0	25.0	26.7	30.0	33.3	41.7	43.3
Max. input power (W)	9,000	12,000	15,000	18,000	24,000	30,000	30,000	30,000	40,000	40,000	40,000	40,000	40,000
Max. input current (A)	13.6	18.2	22.7	27.3	36.4	45.5	45.5	45.5	60.6	60.6	60.6	60.6	60.6
Operation phase	3L+N+PE												
Rated output voltage (V)	220/380V; 230/400V												
Rated frequency (Hz)	50/60												
THDi	< 3%												
Power factor	1(0.8leading~0.8lagging)												
AC output (backup)													
Rated output power (W)	4,500	6,000	7,500	9,000	12,000	15,000	15,000	15,000	15,000	20,000			
Peak power (VA,s)	6,000, 10	8,000, 10	10,000, 10	12,000, 10	16,000, 10	20,000, 10	24,000, 10	30,000, 10	30,000, 10	40000, 10			
Rated output current (A)	6.8	9.1	11.4	13.6	18.2	22.7	22.7	22.7	22.7	30.3			
Rated output voltage (V)	220/380V; 230/400V												
Rated frequency (Hz)	50/60												
Switch time (ms)	<10												
Generator data													
Rated input power (W)	4,500	6,000	7,500	9,000	12,000	15,000	15,000	15,000	16,000	18,000	20,000	25,000	26,000
Max. apparent input power (VA)	4,950	6,600	8,250	9,900	13,200	16,500	16,500	16,500	17,600	19,800	22,000	27,500	28,600
Max. input current (A)	7.5	10.0	12.5	15.0	20.0	25.0	25.0	25.0	26.7	30.0	33.3	41.7	43.3
Rated input voltage (V)	220/380V; 230/400V												
Rated frequency (Hz)	50/60												
Efficiency													
Safety EMC/Standard	97.6%												
EU efficiency	97%												
Protection													
DC switch	Yes												
DC reverse-polarity connection protection	Yes												
Thermal protection	Yes												
AC overvoltage/current protection	Yes												
AC short circuit protection	Yes												
Ground fault circuit interrupter	Yes												
Power network monitoring	Yes												
Island protection	Yes												
Ground fault monitoring	Yes												
Insulation resistance monitoring	Yes												
Residual current detection	Yes												
PID recovery	Optional												
Arc fault circuit interrupter	Optional												
Surge protection	AC Typell/DC Typell												
General													
Dimensions (W*H*D mm)	490*738*245												
Weight (kg)	48												
Noise (dB)	<60												
Operating temperature (°C)	-25~60 (>45°C derating)												
Type of cooling	Smart air cooling												
Topology	Transformless												
Communication	RS485/CAN												
Permissible altitude (m)	3000 (>2000m derating)												
Permissible ambient humidity	0~100%												
Ingress protection (IP) grade	IP66												
Warranty	5 years; (More info refers to the warranty policy)												
Display	LCD+LED												
Grid regulation	IEC61727,IEC62116(Additional certifications in progress. See website for updates.)												
Safety EMC/Standard	IEC EN 61000-6-3; IEC62920; IEC62109-1/2												