itel Energy

3Phase Dual Output
IP66 8KW - 48V



5-Year Replacement Warranty
5-Year Service Warranty
Max PV Input Power - 16000W

2	18A	99.9%	16000VA	8KW
(No. of MPPT Trackers)	(PV Input Current)	(MPP Tracking Efficiency)	(Surge Power)	(Power Range)

Compatibility



Lead Acid / Li-ion

Safety & Reliability



IP66 Protection Degree

Efficiency Input

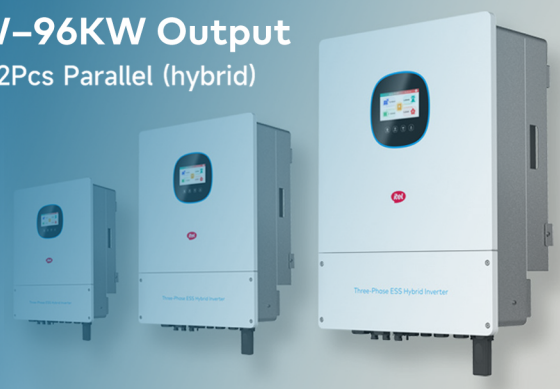


18A
Max. PV Input Current

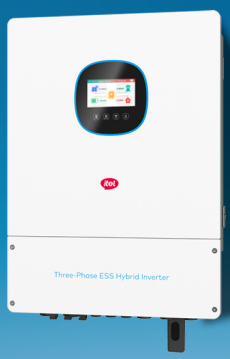
190A
Max. Charge/ Discharge Current

8KW–96KW Output

Max. 12Pcs Parallel (hybrid)



3 Phase Dual Output



Smart Grid Adaptation 380– 400 VAC



Stable High Temperature Operation at 45° without Power Degradation



Comprehensive Warranty



Quiet Operating Environment Operating Noise Below 55 DB



CONTACT US

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MODEL	IHY-8KL3
Efficiency	
MPPT Tracking Efficiency	99.9%
Max. Conversion Efficiency (PV)	98.0%
European Efficiency	97.5%
PV String Input	
Max. PV Input Power	16000W
Max. DC Input Voltage	1000V
Start-Up Voltage	150V
MPPT Voltage Range	200V~800V
Max. Input Current	18A/18A
Number of MPPT Trackers	2
AC Output (On-Grid)	
Max. Grid Input Voltage (Absolute Maximum Ratings)	>380VAC(L-N)
Nominal Output Power	8000W
Max. Output Apparent Power	8800VA
Nominal Output Voltage	220/380VAC,230/400VAC
Rated/Max.Output Current	12A/13.3A
Output Voltage Range	180~280VAC (L-N)
Output Frequency Range	45~65Hz
Power Factor Adjustment Range	0.8 Leading to 0.8 Lagging
Total Current Harmonic Distortion	<3%
AC Output (Backup)	
Peak Output Power	16000VA@15s
Load Capacity of Motor	3HP (Single Phase)/4.5HP (Three Phase)
Nominal Output Power	8000W
Max. Output Apparent Power	8800VA
Nominal Output Voltage	220/380VAC,230/400VAC
Rated/Max. Output Current	12A/13.3A
Max. Three-Phase Unbalanced Output Current	18A
Nominal Output Frequency	50/60Hz
Total Voltage Harmonic Distortion	<3%
Switch Time to Backup Mode	10ms
Battery	
Battery Type	Lead-acid/Li-ion/User Defined
Rated Battery Voltage	48VDC
Battery Voltage Range	40V~60V
Max. Charging/Discharging Current	190A
General	
Ingress Protection	IP66
Dimensions D*W*H (mm)	256*475*683
Net Weight (kg)	38kg
Operating Temperature Range	-25~60°C,>45°C Power Derating
Max. Operating Altitude	4000m,>2000m Power Derating
Diesel Generator Support	Yes
Smart Load Support	Yes
Number of Parallel	12
Cooling Method	Intelligent Fan Cooling
Noise	<55dB
Communication	WIFI/RS485/CAN/Dry Contact
Authentication Level	IEC62109-1, IEC62109-2, IEC61683, IEC62116, IEC61727
Protection	
PV Reverse-Polarity Protection	Yes
Insulation Impedance Detection	Yes
Residual Current Monitoring	Yes
Overvoltage Protection	Yes
Overload Protection	Yes
Short Circuit Protection	Yes
Over Temperature Protection	Yes
Surge Protection	DC: TypeIII, AC: TypeIII