



Hybrid Inverter-Three phase

HLM8/10/12/15K-D1-A



IP66
High level protection



LCD Color
Screen Operation



Dual back
up output



AC couple to retrofit
existing solar system



Single PV
Operation Supported

< 10
ms

UPS switch over time
< 10ms



Wi-Fi Standard



Max. charging/dis-
charging current of
250A



Support up to 12 unit
in parallel



Multiple Battery Compatibility:
Works with various battery technologies
including lithium-ion and lead-acid



Technical Specification



Technical Data	HLM8K-D1-A	HLM10K-D1-A	HLM12K-D1-A	HLM15K-D1-A
Rated Power	8000VA/8000W	10000VA/10000W	12000VA/12000W	15000VA/15000W
PV input data				
Max. PV Input Power(W)	16000	20000	24000	30000
Max. PV Input Voltage(V)	1000			
Start-up Voltage(V)	150			
MPPT Voltage Range(V)	200~800			
Max. Current per MPPT (A)	18/18	36/18		36/20
Max. Short-circuit current MPPT (A)	22.5/22.5	45/22.5		45/25
Number of MPP Trackers	2			
AC Output Data(On-Grid)				
Rated AC Output Power (W)	8800	11000	13200	16500
Rated voltage(V)	380/400V			
Rated Frequency(Hz)	50/60Hz			
Max Output Current(A)	13.3	16.7	20	24
Output power factor	1 (-0.8 leading~+0.8 lagging)			
Battery Input Data				
Battery Type	Lithium, Lead-acid			
Battery Voltage Range(V)	48			
Max. Charging Current (A)	190	210	250	280
AC Output Data(Off-Grid)				
Max. Input Power(W)	8000	10000	12000	15000
Maximum output apparent power	>200%,15sec			
Rated voltage(V)	380/400V			
Rated Frequency(Hz)	50/60Hz			
Max. Input Current(A)	13.3	16.7	20	22.8
Efficiency				
Max efficiency	98.00%			
Europe efficiency	94.50%			
MPPT efficiency	97.50%			
Protection				
PV input reverse polarity protection	Yes			
PV insulation resistance detection	Yes			
Residual current detection	Yes			
Output over current protection	Yes			
Output short circuit protection	Yes			
Output over voltage protection	Yes			
Basic Data				
Operating Temperature Range	-25°C~60°C(frequency-decreasing above 45°C)			
Storage temperature	-30~65°C			
Relative Humidity	0%~95%			
Working altitude	≤4000m(frequency-decreasing above 2000m)			
Cooling	Intelligent forced air cooling			
Noise (dB)	<55			
Weight(kg)	38			43
Dimensions (W*H*Dmm)	475*683*256			750*475*256
Protection Degree	IP66			
Communication Interfaces	RS485/CAN/WiFi			
Standard				
Safety/EMC Standard	NB/T32004-2018,IEC62109,IEC61000,IS16169 &IS16221(BIS)			
Grid-connected standard	IEC61727,EN50549-1,VDE-4105,NRS-097-2-1, OVE-Richtlinie R25, UNE217001/2, Ordinance No.140			
Other standard	IEC61683,IEC62116,EN50530,IEC60068			

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