

Three Phase Low Voltage Hybrid Inverter

HyL–10/12/15K



Model	HyL10K	HyL12K	HyL15K
Battery input data			
Battery Type		Lithium or lead acid battery	
Rated battery voltage		48V	
Maximum charging voltage		≤60 (Configurable)	
Maximum charge/discharge current	210A	250A	280A
PV input data			
Maximum DC input power	20000W	24000W	30000W
Maximum DC input voltage		1000V	
MPPT Operating voltage range		200~800V	
Starting voltage		150V	
Maximum input current	36/18A	36/18A	36/20A
MPPT number	2	2	2
AC output parameters (On-Grid)			
Maximum output apparent power	11000W	13200W	16500W
Rated output voltage		380/400V	
Rated output frequency		50/60Hz	
Max output current	16.7A	20A	25A
Output power factor		1 (-0.8 leading~+0.8 lagging)	
AC output parameters(Off-Grid)			
Rated output apparent power	10000W	12000W	15000W
Maximum output apparent power		>200%,15sec	
Rated output voltage		380/400V	
Rated output frequency		50/60Hz	
Max output current	16.7A	20A	24A
Efficiency			
Max efficiency		98%	
Max efficiency		94.5%	
Europe efficiency		97.5%	
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			
Operation temperature		-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		<55db	
Weight		38kg	43kg
Dimensions (W*H*D)		475*683*256mm	475*755*256mm
Protection class		IP66	
Topology		HF isolation(Battery side)	
Standard			
Safety standard/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, Ordinace No.140		
Other standard	IEC61683, IEC62116, EN50530, IEC60068		