



HYTH 5000-15000

High Voltage Three Phase Hybrid Inverter



Peak Efficiency

98.5%



Max.DC Overload

50%



Aluminum Alloy Die Casting



MES+FCT+CRM Infrastructure



Easy to Install and Service



Energy Management

Technical Specification

MODEL		HYTH-5000	HYTH-6000	HYTH-8000	HYTH- 10000	HYTH- 12000	HYTH- 15000
BATTERY INPUT							
Battery type	Li-ion						
Battery voltage range (V)	160-800						
Max. charging/Discharging current / A	25/25						
Charging strategy for Li-Ion battery	Self-adaption to BMS						
PV INPUT							
Max. PV power (W)	7500	9000	12000	15000	18000	18000	
Max.Input voltage (V)	1000						
Mppt voltage range (V)	150-850						
Start up voltage (V)	145						
Rated Input voltage (V)	620						
Max. Input current (A)	15/15						30/15
Max. short circuit current (A)	20/20						40/20
No. of MPPTs/ no. strings per MPPT	2/(1/1)						2/(2/1)
AC OUTPUT/INPUT							
Rated power (W)	5000	6000	8000	10000	12000	15000	
Max. apparent power (VA)	5500	6600	8800	11000	13200	16500	
Max. output current (A)	8.5	10.0	13.5	16.0	20.0	24.0	
Rated grid frequency (Hz)	50/60						
Power factor	0.8ind-0.8cap						
THDi @ rated power	< 3%						
Grid connection	Three Phase						
AC OUTPUT(BACK-UP)							
Rated power (W)	5000	6000	8000	10000	12000	12000	
Peak output apparent power (VA)	10000	12000	15000				
Max. output current (A)	8.5	10.0	13.5	16.0	20.0	20.0	
Rated output voltage (V)	380/400						
Rated output frequency (Hz)	50/60						
Switch time (ms)	< 10						
GENERAL DATA							
Dimensions(W*H*D)(mm)	425*346*200						
Weight (kg)	21.1						23
User Interface	LCD&LED						
PV connection Type	MC4						
AC connection Type	Plug-in Connector						
Battery connection Type	SUNCLIX						
Communication with cloud	RS485 / Wi- Fi / 4G / LAN (optional)						
Operating ambient temp (°C)	- 25 ~ +60						
CT connection type	Plug-in Connector						
Max.operating altitude (m)	2000 (>2000 Derating)						
Protection class	IP65						
Night consumption (W)	< 13						
STANDARD COMPLIANCE							
Safety	IEC 61000-6-1/-2/-3/-4, EN/IEC 62109-1/-2, TUV SUD MARK						
Grid connection standards	EN 50549- 1, VDE-AR- N 4105, CEI 0-21						