Three Phase Hybrid Inverter

TLH-8KW/10KW/12KW-EU-1













Technical Data

Model	TLH-8KW-EU-1	TLH-10KW-EU-1		TLH-12KW-EU-1
PV String Input	30250000	NAME AND ADDRESS OF THE PARTY O		And the second
Max.DC Input Power(W)	10400	13000		15600
Rated PV Input Voltage(V)		550(160-800)		
Start-up Voltage(V)		160		
MPPT Voltage Range(V)		200-650		
Full Load MPPT Voltage Range(V)		350-650		
Max.DC Input Current(A)	13+13		26+13	
Max.DC Short Circuit Current(A)	17+17		34+17	
No.of MPPT Trackers		2		
No.of Stringsper MPPT Tracker	1+1		2+1	
AC Output		_		
Rated AC Output Power(W)	8000	10000		12000
Max AC Output Power(W)	8800	11000		13200
AC Output Rated Current(A)	12.1	16.7		18.2
Max AC Output Current(A)	13.4	18.4		20
Max Output short circuit current(A)	1,000,00	75		
Max.Continuous AC Pass		45		
Peak Power(off grid)	2times of rated power,10S			
Power Factor				
	0.8leading-0.8lagging			
Output Frequency and Voltage	50/60Hz;3L/N/PE220/380Vac,230/400Vac			
Grid Type		Three Phase		
Total Harmonic Distortion(THDi)	<3%(of nominal power)			
DC Current Injection		<0.5%In		
Battery				
Battery Type		Lead-acidorLithium-ion		
Battery Voltage Range(V)		40-60		
Max.Charging Current(A)	160	200		240
Max.Discharging Current(A)	160	200		240
External Temperature Sensor		Yes		
Charging Curve	3 Stages/Equalization			
Charging Strategy for Li-IonBattery	Self-adaption to BMS			
Efficiency				
Max. Efficiency		0.976		
Euro Efficiency		0.97		
MPPT Efficiency	0.99			
Protection				
Anti-islanding Protection		Yes		
PV String InputReverse Polarity		Yes		
Insulation Resistor Detection	Yes			
Residual Current MonitoringUnit	Yes			
	Yes			
Output Over Current Protection				
Output Shorted Protection		Yes		
Output over voltage protection		Yes		
Photo voltaic input lightning	Yes			
Surge Protection	DC Type III/AC Type III			
Over Voltage Category	DC Type II/AC Type III			
Certifications and Standards				
Operating Temperature Range(°C)		-40-60 °C,>45 °C Derating		
Cooling	Smart Cooling			
Noise(dB)	≤50dB			
Communication to BMS	RS485;CAN			
Monitoring mode	Wi-Fi+APP			
Weight(kg)	37.5			
Size(WxHxD mm)	702×422×281(Excluding Connectors and Brackets)			
	Ip65			
Ingress Protection		The second secon		
Installation Style	Wall-mounted			
Warranty		5Years(10Years Optional)		