

Three-Phase Hybrid Energy Storage Inverter



Less Noise



Intelligent Management



Diesel Generator Compatibility

- Multi-inverter parallel connection
- Safe and reliable, with multi-level protection
- Anti-Flux fuction, self-consumption
- Support full power discharge, automatic management of battery charge and discharge
- APP monitoring, support multiple working mode
- Intelligent management



Model	LN-M5KH-T1	LN-M6KH-T1	LN-M8KH-T1	LN-M10KH-T1	LN-M12KH-T1
Input(DC)					
Max DC power(W)	7500	9000	12000	15000	15000
Max DC voltage(V)	1000				
MPPT voltage range(V)	200..850Vd.c.				
Max input current/per string(A)	13/13				
Max.input short circuit per MPPT(A)	18/18				
Number of MPP trackers	2				
Srings per MPP tracker	1				
Battery Input					
Battery Type	Li-Ion				
Battery voltage range(V)	130-700				
Maximum charge/discharge current(A)	25/25				
Charge strategy for L-ion Battery	Self-adaptation to BMS				
Output (AC)					
AC nominal power(VA)	5000	6000	8000	10000	12000
Max AC apparent power(VA)	5500	7000	8800	11000	13200
Max output current(A)	10	12	15	17	20
Nominal AC output	50/60Hz;400/350				
AC output range	45/55Hz;280~490Vac(Adj)				
Power factor	0.8leading--0.8lagging				
Harmonics factor	<3%				
Grid type	3W/N/PE				
Three-phase unbalance output	0-100%				0-80%
AC Output(Back-up)					
Max AC apparent power(VA)	5000	6000	8000	10000	10000
Norminal Output Voltage(V)	400/380				
Norminal Output Frequency(HZ)	50/60HZ				
Output THDV(@linear Load)	<3%				
Efficiency					
Maximum conversion efficiency	98.0%				98.2%
European efficiency	97.3%				97.5%
Max battery to AC Efficiency	97.2%				97.4%
MPPT efficiency					99.9%
Safety and Protection					
DC reverse-polarity protection	yes				
DC breaker	yes				
DC/AC SPD	yes				
Leakage current protection	yes				
Insulation Impedance Detection	yes				
Residual Current protection	yes				
Output short circuit protection	yes				
Battery reverse connection protection	yes				
General Parameters					
Dimension(W/H/D)(mm)	516*427*183.5				
Weight(KG)	26				
Operation Temperature Range(℃)	-25...+60				
Degree of protection	IP65				
Cooling concept	Natural convection				
Topology	Transformerless				
Display	LCD				
Humidity	0-95%,no condensation				
Communication	Standard WFI,GPRS/LAN(optiona)				
BMS communication	CAN/RS485				
Meter communication	RS485				
Certificates and Approvals	CQC,VDE-AR-N4105,IEC61727,IEC62116,VDE0124-AR-N0124,EN50549,IEC62109,IEC62477				