

THREE PHASE INVERTER 80KW



Product Code: ATE-INV3PH80KW

SKU: LA625006002

Family: Smart Energy

Subcategory: 3PH High Power (60–125 kW) Inverter

Description

Three Phase Inverter 80Kw is an on-grid three phase solar inverter designed for 80kW commercial and industrial photovoltaic systems.

Input (DC)	
Recommended Max. PV input power	120000Wp
Max. input voltage	1100V
Rated input voltage	620V
Start-up voltage	200V
MPPT operating voltage range	180V~1000V
Number of MPPTs	6
Number of DC inputs	2 for each MPPT
Max. input MPPT current	6*40A
Max. input short circuit current	6*60A

Output (AC)	
Rated output power (@40°C)	80000W
Max. output power (@40°C)	88000W
Max. apparent power	88000VA
Max. output current	133.3A
Rated output voltage	3 / N / PE, 220 / 380 Vac
Output voltage range	310Vac-480Vac
Rated output frequency	50/60Hz

Output (AC)	
Output frequency range	45~55Hz/55~65Hz
Active power adjustable range	0~100%
THDi	<3%
Power factor	1 (adjustable+/-0.8)

Efficiency	
Max efficiency	0.987
European efficiency	0.982

Protection	
DC reverse polarity protection	Yes
Anti-islanding protection	Yes
Leakage current protection	Yes
Ground fault monitoring	Yes
PV-array string fault monitoring	Yes
DC switch	Yes
SPD	PV: type II, AC: type II

General Data	
Ambient temperature range	-25°C~+60°C
Self-consumption at night	<2W
Topology	Transformerless

General Data	
Degree of protection	IP66
Allowable relative humidity range	0~100%
Max. operating altitude	4000m(>3000m derating)
Cooling	Smart air cooling
Dimension(WxHxD)	687x561x275mm
Weight	50kg
Display	LCD & Bluetooth +APP