

THREE PHASE INVERTER 100KW



Product Code: ATE-INV3PH100KW

SKU: LA625006003

Family: Smart Energy

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

Description

Three Phase Inverter 100Kw is an on-grid three phase solar inverter designed for 100kW commercial and industrial photovoltaic systems.

Input (DC)	
Recommended Max. PV input power	200000Wp
Max. input voltage	1100V
Rated input voltage	625V
Start-up voltage	200V
MPPT operating voltage range	180V~1000V
Number of MPP trackers	10
Number for DC inputs	2 for each MPPT
Max. input MPPT current	10*40A
Max. input short circuit current	10*50A

Output (AC)	
Rated output power(@40°C)	100000W
Max. output power	100000W@45°C / 90000W@50°C
Max. output current	152A@380V / 145A@400V / 139.2A@415V
Rated output voltage	3/N/PE, 220 / 380 V, 230 /400V
Output voltage range	310~480V
Rated output frequency	50/60Hz
Output frequency range	45~55Hz/55~65Hz

Output (AC)	
Active power adjustable range	0~100%
THDi	<1%(@100%P)
Power factor	1 (+/-0.8 adjustable)

Efficiency	
Max efficiency	0.986
European efficiency	0.983

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
PID recovery	Yes
AFCI	Yes
SPD	PV: type II , AC: type II

General Data	
Ambient temperature range	-30°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)	970x695x325mm
Weight	75kg
Display	LCD & Bluetooth +APP