

SINGLE PHASE INVERTER 5KW



Product Code: ATE-INV1PH5KW

SKU: LA625002004

Family: Smart Energy

Subcategory: 1PH Medium Power (3–6 kW) Inverter

Description

Single Phase Inverter is an on-grid single phase solar inverter designed for commercial and industrial photovoltaic systems.

Input (DC)	
Max. input voltage	600V
Rated input voltage	380V
Start-up voltage	90V
MPPT operating voltage range	80V~550V
Number of MPPTs	2
Number of DC inputs	1 for each MPPT
Max. input MPPT current	15A/15A
Max. input short circuit current	22.5A/22.5A

Output (AC)	
Rated output power	5000W
Rated apparent power	5000VA
Max. apparent power	5000VA
Rated output current	21.7A
Max. output current	21.7A
Rated output voltage	L/N/PE,230Vac
Output voltage range	180Vac-276Vac
Rated output frequency	50 / 60Hz

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

Efficiency	
Max. efficiency	0.984
European efficiency	0.975

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	Optional
SPD	PV: type III, AC: type III

General Data	
Ambient temperature range	-30°C~+60°C
Self-consumption at night	<1W
Topology	Transformerless

General Data	
Degree of protection	IP65
Allowable relative humidity range	0~100%
Max. operating altitude	4000m
Cooling	Natural
Dimension(WxHxD)	349x344x164mm
Weight	10kg
Display	<p>كفاءة قصوى تصل إلى 98.4%؛ تصميم مختصر وخفيف؛ LCD & Bluetooth +APP؛ لغاية 150%؛ تبريد طبيعي DC اثنين، بإمكانية تحميل قدرة ثابتة MPPT الوزن؛ متتبعي بدون مراوح، وإزعاج منخفض؛ خاصية تحديد القدرة التي تغذى بها الشبكة RS485/Bluetooth، واختيارياً، WIFI, Ethernet</p>