

SINGLE PHASE INVERTER 7.7KW



Product Code: ATE-INV1PH7.7KW

SKU: LA625003001

Family: Smart Energy

Subcategory: 1PH High Power (7–10.5 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	360V
Start-up voltage	90V
MPPT operating voltage range	80V~550V
Number of MPPTs	3
Number of DC inputs	3
Max. input MPPT current	20A/16A/16A
Max. input short circuit current	30A/25A/25A

Output (AC)	
Rated output power	7700W; 8800W
Max. apparent power	7700VA
Max. output current	35A
Rated output voltage	L/N/PE 230Vac
Output voltage range	180Vac-276Vac
Rated output frequency	50/60Hz
Output frequency range	45Hz-55Hz/55Hz-65Hz
Active power adjustable range	0~100%
THDi	<3%

Output (AC)	
Power factor	1 (adjustable+/-0.8)

Efficiency	
Max. efficiency	0.981
European efficiency	0.973

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 III

General Data	
Ambient temperature range	-30°C~+60°C
Self-consumption at night	<1W
Topology	Transformerless
Degree of protection	IP65
Allowable relative humidity range	0~100%

General Data	
Max. operating altitude	4000m
Cooling	Natural
Dimension(W×H×D)	468×380×187 mm
Weight	17.5kg
Display	كفاءة قصوى تصل إلى 98.1%; جهد بدء منخفض، LCD & Bluetooth +APP; مع إمكانية تحميل قدرة MPPT متتبعات 3 MPPT; ونطاق جهد واسع تعمل عليه متتبعات لغاية 150%; متوافق حتى مع الألواح التي تزيد عن 500 واط; خاصية فحص DC ثابتة تصل AC منحنى الجهد-التيار; تبريد طبيعي بدون مراوح، وإزعاج منخفض; إمكانية تحميل % إلى 110