

SINGLE PHASE INVERTER

PHINV-6KTL-SL



Friendly & Flexible,
Support multi-machine
parallel connection



Economical & Practical,
Support intelligent EMS
management function



Safe & Reliable,
Support and/off-grid
automatic switching
function

MODLE	PHINV-6KTL-SL
Input Data (PV)	
Maximum Power	7 kW
Max. DC Voltage	550 V
MPPT Voltage Range	125~500 V
Single MPPT Max. Input Current	14 A
MPPT Number/ Max. Number of Parallel Groups	1/2
Output Data (AC)	
Rated Output Power	6 kVA
Max. Output Current	26 A
Grid Voltage Range	230 / 176~270 V
Grid Frequency	50 / 60 Hz
Power Factor	-0.99 ~ +0.99
THDi	< 3%
Type pf Grid Connection	L + N + PE
General Data	
Dimensions (W*H*D)	550 mm × 515 mm × 200 mm
Weight	25kg
Battery Charge/Discharge Efficiency	95.00%
Max. Efficiency	97.60%
European Efficiency	97.00%
MPPT Efficiency	99.90%
IP Grade	IP 65
Noise	< 35 dB
Ambient Temperature Range	-25 ~ 60 °C
Cooling Mode	Free Cooling
Ambient Humidity Range	0~95% Condensation Free
Altitude	Non-Derating Under 2000m
Isolation Transformer	None
Shutdown Power Consumption	< 3 W
Battery Data	
Voltage Range	40~58 V
Max. Charge Voltage	58 V
Max. Charge / Discharge Current	95 / 110 A
Battery Type	Lithium Cell / Lead-acid Cell
Communication Port	CAN / RS485
Emergency Power Output (EPS)	
Rated Power	6 kVA
Rated Output Voltage	230 V
Rated Output Current	26 A
Rated Output Frequency	50 / 60 Hz
Auto Switch Time	< 20 ms
THDu	< 2%
Overload Capacity	110%, 30S / 120%, 10S / 150%, 0.02S
Display & Communication	
Display	LCD
Communication	RS485/CAN/DRM, Wifi/4G is optional
Safety Standard	IEC/EN62109-1/-2, IEC/EN62477-1
EMC	IEC/EN 61000-6-1, IEC/EN 61000-6-3
On-grid	South Africa NRS097-2-1:2017, UK G98,G99

Note: Specifications are subject to change without advance notice.