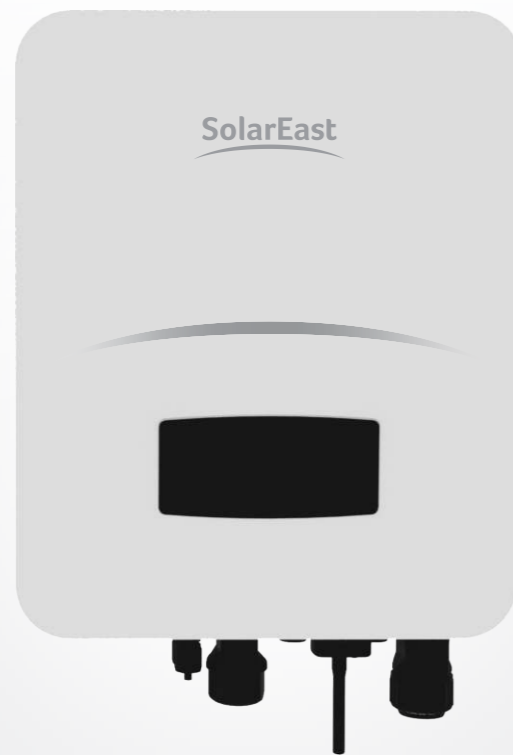


03 | HYBRID INVERTER

▸ Single-phase Hybrid Inverter

▸ Features & Advantages

- Support Time-of-use Optimization
- Configurable Operation Modes
- AFCI (Optional) & Rapid Shutdown Ready
- Build-in Anti-feed-in Function
- 100% unbalanced output, each phase;
200% unbalanced output, each phase (Below 10kW)
- Smart Monitoring & Remote Firmware Upgrade



▸ Technical Specifications

PV Input	PowerLink-3.6KL1/A	PowerLink-5KL1/A
Max. Input Power	5.4kW	7.5kW
Max. PV Voltage		550V
MPPT Range		80 - 500V
Full MPPT Range	110 - 500V	150 - 500V
Normal Voltage		360V
Startup Voltage		100V
Max. Input Current		18.5 x 2A
Max. Short Current		26 x 2A
No. of MPP Tracker/No. of PV String		2 / 2
Battery Port		
Max. Charge/Discharge Power	3.6kw	4.8kw
Max. Charge/Discharge Current		80A
Battery Normal Voltage		51.2V
Battery Voltage Range		40 - 60V
Battery Type		Li-ion / Lead-acid etc.
AC Grid		
Max Continuous Current	17.0A	23.0A
Max Continuous Power	3.6kVA	5.0kVA
Nominal Grid Current	16.4/15.7A	22.8 / 21.8A
Nominal Grid Voltage		198 to 242 @ 220 / 207 to 253 @ 230V
Nominal Grid Frequency		50 / 60 Hz
Power Factor		0.999 (Adjustable from 0.8 overexcited to 0.8 underexcited)
Current THD		< 3%
AC Load Output		
Max Continuous Current	17.0A	23.0A
Max Continuous Power	3.6kVA	5.0kVA
Max Peak Current (10min)	24.6/23.5A	34.1 / 32.7A
Max Peak Power(10min)	5.4kVA	7.5kVA
Nominal AC Current	16.4 / 15.7A	22.8 / 21.8A
Nominal AC Voltage L-N		220/230V
Nominal AC Frequency		50/60Hz
Switching Time		Seamless s
Voltage THD		< 3%
Efficiency		
CEC Efficiency		97.0%
Max. Efficiency		97.6%
PV to Bat. Efficiency		98.1%
Bat. between AC Efficiency		96.8%
Protection		
PV Reverse Polarity Protection		Yes
Over Current/Voltage Protection		Yes
Anti-Islanding Protection		Yes
AC Short Circuit Protection		Yes
Residual Current Detection		Yes
Ground Fault Monitoring		Yes
Insulation Resister Detection		Yes
PV Arc Detection		Yes
Enclosure Protect Level		IP65/NEMA4X
General Data		
Dimensions		370 x 535 x 192mm
Weight	18.5kg	20.5kg
Topology		Transformerless
Cooling		Intelligent Fan
Relatively Humidity		0 - 100%
Operating Temperature Range		-25 to 60°C
Operating Altitude		< 4000m
Noise Emission		<25dB
Standby Consumption		<10W
Mounting		Wall Bracket
Communication with RSD		SUNSPEC
Display & Communication Interfaces		LCD, LED, RS485, CAN, Wi-Fi, GPRS, 4G
Certification & Approvals		NRS097, G98/G99, EN50549-1, C10/C11, AS4777.2, VDE-AR-N4105, VDE0126, IEC62109-1, IEC62109-2
EMC		EN61000-6-2, EN61000-6-3