

NCV-STAR-Q-specs



Battery Specifications

Item	Specification
Battery Type	LFP
Battery Model	306Ah
Energy Capacity	109kWh
Cycle Life (@25°C, 0.5P)	≥10000
P-rate	≤0.5P
Battery Compartment Ingress Protection	IP67

Communication (On/Off-Grid)

Item	Specification
Rated Output Power	50kW
Rated Input Voltage (3/N/PE)	380/400Vac
Rated Frequency	50/60Hz
THDi	< 3%
THDu	< 3%

PV Input

Item	Specification
MPPT Voltage Range	150 ~ 850Vdc
Maximum Input Power of PV	96kW
MPPT Channels/Strings per MPPT Channel	4/2
Max Input Current	40/40/40/40A

General Specifications

Item	Specification
On/Off-Grid Switching Time	< 20ms
Cooling Method	Air Cooling
Operating Temperature Range	-25 ~ 55°C
Relative Humidity	0 ~ 95% (Non-condensation)
Operating Altitude	≤4000m (>2000m derating)
Ingress Protection	IP54
Dimension (W×D×H)	1272×1356.8×2070mm
Weight	≈1.8T
Compliance	EN 50549-1, EN50549-10, VDE-AR-N 4105, NRS 097-2-1, IEC 61000, IEC 62477, IEC 62619, IEC62109, UN38.3